



# E006

## Temperature Monitoring Devices

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The products in this category include thermometers, freeze indicators, temperature recorders, data loggers, Equipment Monitoring Devices (EMDs) and event loggers for monitoring temperatures and other variables at all levels in the cold chain, including alarm systems.

Details regarding the products included in each sub-category of E006, as well as guidelines, performance specifications and verification protocols for this category, can be accessed through the drop-down sections below.

### **E006.1: E006 device types**

A number of different temperature monitoring device types are specified by PQS based on their particular applications in the cold chain. These range from more basic indicator and thermometers to advanced monitoring and communication systems. Employers of temperature monitoring should be familiar with the use-cases for the different types of devices and when best to deploy each type based on their specific programme needs and strategies.

#### ***E006.1.1: Alarms***

**Acoustic and visual alarms:** These can be used in conjunction with fixed dial thermometers and pen recorders.

#### ***E006.1.2: Indicators***

**Cold Chain Monitor cards (CCM):** WHO no longer recommends the use of these cards for in-country use. Their use should now be confined to international shipments only where dry ice is used. For more information and guidance on the use of CCMs, consult the WHO [How to monitor temperature in the vaccine supply chain](#).

**Freeze indicators:** Freeze indicators should be used routinely for internal distribution of freeze-sensitive vaccines and for monitoring freezing events in cold rooms and vaccine refrigerators where alternative devices are not fitted, or are not thought to be reliable.

**Vaccine vial monitors (VVM):** VVMs or combined VVM/Threshold indicators are now routinely fixed to all vaccines supplied by UNICEF.

### ***E006.1.3: Thermometers (no recording)***

**Electronic thermometers:** Hand-held electronic thermometers are used by cold chain technicians during repair work, for routine monitoring, for cold chain studies and during the commissioning of cold rooms and freezer rooms.

**Fixed dial thermometers:** Fixed gas or vapor pressure dial thermometers require no power supply and they can be used to trigger an alarm system. Their primary use is as a back-up device for cold rooms and freezer rooms. Bi-metallic dial thermometers are no longer recommended because they easily lose their calibration.

**Stem thermometers:** A stem thermometer can be fitted in refrigerators, freezers, cold rooms and freezer rooms as an inexpensive back-up device for required 30-day temperature loggers. Stem thermometers should never be used as the primary temperature monitoring device because they do not provide a continuous record of vaccine temperature exposure. Bi-metallic dial thermometers are no longer recommended by WHO because they do not maintain their calibration.

**Integrated electronic thermometer with alarm:** This device type may be built-in to a vaccine refrigerator or freezer at the manufacturer's discretion. Its purpose is to provide some of the capabilities of the monitoring equipment used on cold rooms and freezer rooms.

### ***E006.1.4: Temperature recorders***

**Programmable remote temperature and event monitoring systems:** Event monitoring systems consist of a network of sensors linked to a central temperature recording unit, which may connect and communicate with local and remote servers and services. Both hard-wired and wireless devices are available and devices of both types have integrated alarm systems. Detailed temperature records can be produced and the most sophisticated systems can be internet-enabled which allows for remote monitoring.

**Pen recorders:** Pen recorders have been standard equipment for cold rooms and freezer rooms for many years. They continue to have a use for smaller cold rooms and for programmes which are unable to provide the technical support needed to operate and maintain an event monitoring system.

**Temperature data loggers:** Data loggers are used principally during cold chain studies and for verifying performance during the initial commissioning of cold rooms and freezer rooms. Temperature data loggers have limited functionality. More advanced features can be found in 30-day electronic refrigerator temperature loggers.

**30-day electronic refrigerator temperature loggers:** All refrigerators must come equipped with an integrated Level 2 EMD, integrated Level 3 EMD or 30-day temperature logger device in compliance with WHO IMD-PQS standards. Refer to Table 2. This device type can be used to review vaccine refrigerator temperatures over 30 days. The earliest data points are continuously overwritten so that the user always has access to the most recent 30-day period. The devices include a visual temperature alarm and some models allow data to be downloaded to a computer. Their use offers the possibility of much improved temperature

monitoring at the health facility and lower sub-national levels where routine manual recording is known to be unreliable.

30-day temperature loggers are NOT suitable for use in vaccine freezers; see the [WHO Vaccine Management Handbook](#) for appropriate temperature logger devices for freezers.

Current models operate for two years after activation. The whole unit has to be replaced when the battery runs out because the product is supplied with sealed in batteries. This design approach avoids the need to recalibrate the device, which is expensive and logistically complex.

**Electronic shipping indicators:** Electronic shipping indicators are single-use devices designed to monitor vaccine temperature during international shipment from the manufacturer to the primary store. The data they provide is recorded on the Vaccine Arrival Report (VAR).

#### ***E006.1.5: Equipment Monitoring Systems (EMS)***

The Equipment Monitoring System (EMS) enables the monitoring of cold chain equipment. The EMS consists of three levels of functionality, performed by Equipment Monitoring Devices (EMDs). EMDs are the primary means of communicating monitored cold chain data locally and/remotely via the Internet. EMDs source raw data directly from the appliance's integrated logger. Vaccine refrigeration appliances are required to achieve Level 1 as minimum. Levels 2 and 3 can be integrated into the appliance or can be external to it. Refer to Table 2.

**Level 1** is the datalogger with power and data connections for the Machine-to-machine interface (M2M). Note: more advanced local or remote means of communicating data are not required. The complete requirements of Level 1 are specified in IMD-PQS performance specification [WHO/PQS/E006/DL01](#). The datalogger is primarily tasked with maintaining relative time, recording appliance data objects, generating and recording logger data objects and making that data available in a standardized way to other equipment monitoring devices and systems.

**Level 2** is the Equipment Monitoring Device (EMD) and shares the same requirements as Level 1. The EMD is the primary means of communicating monitored cold chain data locally. The EMD draws raw data directly from the appliance's integrated logger. The EMD may be integrated into the appliance or may be external. The requirements of Level 2 are specified in IMD-PQS performance specification [WHO/PQS/E006/EM01](#).

Level 3 shares the same requirements as Level 2, with the additional feature of remote communications (e.g. GSM / SIM-based, Wi-Fi® etc.). As Level 2, the EMD may be integrated into the appliance or may be external. The requirements of Level 3 are specified in IMD-PQS performance specification [WHO/PQS/E006/EM01](#), with special attention to remote communication modalities.

## E006.2: Use of E006 devices

The following table summarizes the use of each of the non-EMS E006 device types:

Table 1: Use of temperature monitoring devices

Note: The table shows the appropriate locations for each type of device. It does not imply that ALL the devices listed for a particular location should be used at the same time.

Device category	Principle use location							Application notes
	International shipping	Primary store	Intermediate store	Health facility	Internal distribution	Equipment commissioning	Cold chain studies	
Acoustic and visual alarms		X	X					Used with E006/TH02 & E006/TR04
Cold chain monitor cards	X							
Freeze indicator		X	X	X	X		X	
Vaccine vial monitor (VVM)	X	X	X	X	X		X	
Electronic thermometer						X	X	
Fixed-dial thermometer		X	X					Typically used as a back-up device
Stem thermometer		X	X	X				
Integrated electronic thermometer with alarm		X	X	X				May be supplied with refrigerator or freezer
Programmable remote temperature and event monitoring system		X	X	X		X	X	Applications throughout the cold chain, but should be deployed based on strategic plans
Pen recorder		X	X					For smaller cold or freezer rooms where E006/TR03 is inappropriate
Temperature data logger						X	X	
30-day electronic refrigerator temperature logger			X	X				
Shipping indicator	X							

Table 2: Required temperature monitoring devices for vaccine refrigerators

Configuration	I	II	III	IV	V
Data logger plus M2M port (E006/DL01)	✓	✓	✓	✓	✓
Thermometer (E006/TH06) with display		✓		✓	✓
Integrated EMD (E006/EM01)	✓				
External EMD (E006/EM01)		✓			
Integrated EMD with remote data transmission (E006/EM01)			✓		
External EMD with remote data transmission (E006/EM01)				✓	
30 DTR (E006/TR06.3)					✓

### E006.3: Future developments

As of 2024, all NEW vaccine refrigerators are required to have an EMS. Starting in 2026, ALL vaccine refrigerators will be required to have an EMS. This new sub-category of temperature and equipment monitoring offers greater design flexibility and advanced functionality of cold chain monitoring. While temperature will still be the most essential CCE vaccine safety indicator for immunization programmes, there is increasing potential - and interest - in monitoring additional performance parameters of CCE, including voltage input, humidity, compressor function, etc. By monitoring and communicating additional parameters, EPI programmes, suppliers, service providers and global partners may gain deeper insights into the performance of CCE over time, enabling remote failure analysis and ideally predictive failure responses. This could ultimately lead to monitoring technology that helps programmes reduce CCE downtime and risk to vaccines.

#### E006.3.1: Solar power systems for low-energy requirements

Performance specifications for small, battery-based solar power systems intended for E006 devices such as RTMDs and other electronic monitoring systems (EMS) may also apply for low power requirements where only direct current electricity is required (e.g. 12 Vdc). See IMD-PQS performance specification [WHO/PQS/E006/PVDC01: Solar power systems for low electrical requirements](#).

### **E006.3.2: Basic USB Energy Harvesting Controller (EHC)**

Many solar appliances now have a Basic USB Energy Harvesting Controller (EHC). The Basic USB EHC provides up to 1A @ 5VDC (5W) on a USB-A port that may be used to recharge RTMDs and other monitoring devices. See IMD-PQS performance specification [WHO/PQS/E007/EHC02](#).

## **CATEGORY DOCUMENTATION, GUIDANCE FOR MANUFACTURERS/SUPPLIERS & SUPPORTING INFORMATION FOR USERS**

### **Category-specific guidance**

[PQS Equipment Monitoring Systems \(EMS\) Introduction](#)

[PQS Equipment Monitoring Systems \(EMS\) Frequently Asked Questions](#)

### **Performance specifications**

[PQS performance specification E006/TR07.4: Electronic shipping indicators](#)

[PQS performance specification E006/DS01.2: Annex 1 Cold Chain Data Objects](#)

PQS performance specification E006/DS01.2 Annex 1 JSON Schema

[PQS performance specification E006/IN06.1: Combined vaccine vial monitor and threshold indicator](#)

[PQS performance specification E006/TR06.4: 30-day electronic refrigerator temperature logger](#)

[PQS performance specification E006/IN05.4: Vaccine vial monitor](#)

[PQS performance specification E006/EM01.2: Equipment Monitoring Devices for Equipment Monitoring Systems](#)

[PQS performance specification E006/DL01.2: Data logger and machine-to-machine interface for Equipment Monitoring Systems](#)

[PQS performance specification E006/DS01.2: Data standards for Equipment Monitoring Systems](#)

[PQS performance specification E006/AL01.1: Acoustic and/or visual alarm units](#)

[PQS performance specification E006/IN07.1: Chemical freeze indicator](#)

[PQS performance specification E006/IN02.1: Cold chain monitor](#)

[PQS performance specification E006/TH02.2: Fixed gas or vapour pressure dial thermometer](#)

[PQS performance specification E006/TH06.2: Integrated electronic thermometer, with or without alarm function, for vaccine refrigerators and freezers](#)

[PQS performance specification E006/IN03.1: Irreversible freeze indicator](#)

[PQS performance specification E006/TH03.1: Portable alcohol stem thermometer](#)

[PQS performance specification E006/TH01.1: Portable electronic thermometer](#)

[PQS performance specification E006/TR03.2: Programmable remote temperature and event monitoring systems](#)

[PQS performance specification E006/PVDC01: Solar power system for low electrical requirements](#)

[PQS performance specification E006/IN04.1: Threshold indicators](#)

[PQS performance specification E006/TR05.1: User-programmable temperature data loggers](#)

[PQS performance specification E006/TR04.1: Wall-mounted pen recording thermometer](#)

## **Verification protocols**

[PQS independent type-testing protocol E006/EM01-VP.2 Equipment Monitoring Devices for Equipment Monitoring Systems](#)

[PQS independent type-testing protocol E006/TR07-VP.4: Electronic shipping indicators](#)

[PQS independent type-testing protocol E006/IN06.VP.1: Combined vaccine vial monitor and threshold indicator](#)

[PQS independent type-testing protocol E006/IN07-VP.1: Chemical freeze indicator](#)

[PQS independent type-testing protocol E006/DL01-VP.2: Data logger and machine-to-machine interface for Equipment Monitoring Systems](#)

[PQS independent type-testing protocol E006/EM01-VP.2: Equipment Monitoring Devices for Equipment Monitoring Systems](#)

[PQS type-examination protocol E006/AL01.VP.1: Acoustic and/or visual alarm units](#)

[PQS type-examination protocol E006/IN02.VP.1: Cold chain monitor](#)

[PQS independent type-testing protocol E006/IN03-VP.1: Irreversible freeze indicator](#)

[PQS independent type-testing protocol E006/TH02-VP.2: Fixed gas or vapour pressure dial thermometer](#)

[PQS independent type-testing protocol E006/TH03-VP.1: Portable alcohol stem thermometer](#)

[PQS independent type-testing protocol E006/TH06-VP.2: Integrated electronic thermometer, with or without alarm function, for vaccine refrigerators and freezers](#)

[PQS independent type-testing protocol E006/TR04-VP.1: Wall-mounted pen recording thermometer](#)

[PQS type-examination protocol E006/TR05-VP.1: User-programmable temperature data loggers](#)

[PQS independent type-testing protocol E006/TR06-VP.4: 30-day electronic refrigerator temperature logger](#)

[PQS independent type-testing protocol E006/IN04.VP.1: Threshold indicator](#)

[PQS performance verification protocol E006/TR03-VP.2: Programmable remote temperature and event monitoring systems](#)

[PQS type-examination protocol PVDC-VP1.0: Solar power system for low electrical requirements](#)

[PQS quality assurance protocol PVDC-VP2.0: Solar power system for low electrical requirements – on-site checklists for completed installations](#)

[PQS independent type-testing protocol E006/IN05.VP.4: Vaccine vial monitor](#)

[PQS performance verification protocol tool E006/TR03-VPT.2: Programmable remote temperature and event monitoring systems](#)

## **Guidance for manufacturers or suppliers**

[Generic guide for the field evaluation of new technologies for WHO PQS prequalification  
GENERIC/GUIDE 1.1](#)

[IMD-PQS Guidelines for Prequalification Holders](#)

## **Supporting information for users**

[Evidence brief: Perception of health workers on the use of remote temperature monitoring systems](#)

[Evidence brief: Perception of health workers on the use of 30-day temperature recorders](#)



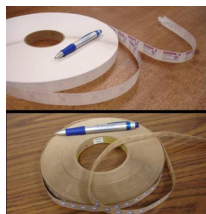
[Evidence brief: Temperature monitoring study: a fully documented process to detect weaknesses in the supply chain](#)

[How to develop and repair a maintenance system for cold chain equipment](#)

[How to monitor temperatures in the vaccine supply chain](#)



## E006: Temperature monitoring devices



<b>Product name:</b>	HEATmarker® VVM 2
<b>IMD-PQS Code:</b>	E006-001
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	30 Sep 2007
<b>Appliance type:</b>	E006
<b>Product description:</b>	Vaccine Vial Monitor Type 2
<b>Manufacturer:</b>	Temptime Corporation, A Zebra Technologies Company
<b>Manufacturers Reference:</b>	HEATmarker® VVM 2
<b>Country of Manufacture:</b>	United States of America
<b>Address:</b>	116 American Road, Morris Plains, NJ, 07950, United States of America
<b>Telephone:</b>	+1 973 630 6000
<b>Email:</b>	<a href="mailto:rorie.doty@zebra.com">rorie.doty@zebra.com</a>
<b>Website address:</b>	<a href="http://www.zebra.com/tempmonitoring">www.zebra.com/tempmonitoring</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Chemical	<b>Sensor type(s)</b>	--
<b>Maximum sensor lead length (metres)</b>	0.00	<b>Maximum number of sensor channels</b>	0.00
<b>Activation mechanism</b>	Temperature >-12°C	<b>Fixing mechanism</b>	Adhesive
<b>CE marking</b>	No	<b>Time to endpoint at 37°C (days)</b>	2.00
<b>Time to endpoint at 5°C (days)</b>	225.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Power source</b>	Passive device	<b>Battery type</b>	--
<b>Battery shelf life (year)</b>	--	<b>Activated battery life</b>	--
<b>Alarm type</b>	NA	<b>User interface</b>	--
<b>Display medium</b>	Color change	<b>Recording medium</b>	Not applicable
<b>Ingress protection rating IP</b>	--		

<b>Comments</b>	Full labels (typically white of clear liner) and dots (typically brown or clear liner) are made on lightweight litho/paper/film facestock offering exceptional printability and flexibility. The service temperature range for the adhesive is typically -40°F to 160°F, or wider. Liner (can either be PET or coated paper) is designed for high-speed roll-to-roll and label dispensing applications. A clear film-based over-laminate is used for dots (brown liner) for added stability and protection. This laminate is not intended to print on. Custom solutions, including a combination of approved litho/paper/film substrate and overlamine (if applicable) are available upon request. Verification laboratory: Intertek UK (formerly WHO-accredited) Accuracy: -- External dimensions (cm): 1 cm dot or 1.6 x 1.0 cm rectangle Memory size: -- External dimensions (cm): 1 cm dot or 1.6 x 1.0 cm rectangle
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### PRICE AND SHIPPING

<b>Minimum order</b>	500000.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	On request to manufacturer	<b>Year of base price</b>	2017

### QUALITY STANDARD

<b>Quality Standard</b>	ISO 13485;Other	<b>Quality standard (Other)</b>	ISO 9001:2015;
<b>Specification Reference</b>	Applicable PQS specification: E006/IN.05.1 Applicable PQS VP(s): E006/IN.05 VP.1		

### VERIFICATION

PRODUCT SITES

Organization name	Temptime Corporation, A Zebra Technologies Company
Address	116 American Road, Morris Plains, NJ, 07950, United States United States of America

Current PQS status:	Prequalified	Valid until:	31 May 2026
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	Vaccine cold chain monitor shipment record
<b>IMD-PQS Code:</b>	E006-004
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	30 Sep 2007
<b>Appliance type:</b>	E006
<b>Product description:</b>	Cold chain monitor
<b>Manufacturer:</b>	Berlinger & Co. AG
<b>Manufacturers Reference:</b>	Vaccine cold chain monitor shipment record
<b>Country of Manufacture:</b>	Switzerland
<b>Address:</b>	Mitteldorfstrasse 2, CH-9608 Ganterschwil, Switzerland Switzerland
<b>Telephone:</b>	+41 (71) 982 88 11
<b>Email:</b>	<a href="mailto:info@berlinger.com">info@berlinger.com</a>
<b>Website address:</b>	<a href="http://www.berlinger.com">http://www.berlinger.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Chemical	<b>Sensor type(s)</b>	N/A
<b>Maximum sensor lead length (metres)</b>	0.00	<b>Maximum number of sensor channels</b>	0.00
<b>External dimensions height (mm)</b>	120.00	<b>External dimensions width (mm)</b>	150.00
<b>Activation mechanism</b>	Activation strip	<b>Material</b>	Card
<b>Fixing mechanism</b>	None	<b>CE marking</b>	Yes

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Power source</b>	Passive device	<b>Battery type</b>	N/A
<b>Battery shelf life (year)</b>	N/A	<b>Activated battery life</b>	N/A
<b>Alarm type</b>	Visual	<b>User interface</b>	N/A
<b>Display medium</b>	---	<b>Recording medium</b>	Not applicable
<b>Ingress protection rating IP</b>	N/A		

<b>Comments</b>	The economical chemical indicators can be started individually by pulling out the start strip. They measure one or max. 2 temperature limits per indicator and are available for the following temperatures: -15 °C / -4 °C / 0 °C / +5 °C / +10 °C / +10°C and +34 °C / +26 °C / +31°C. The well-known VCCM card is equipped with the only indicator that can measure two temperatures (10 °C and +34 °C). Discounts apply for large orders. Testing laboratory: Wolff Laboratory (1988)
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.01	<b>Weight per Package (Kg)</b>	0.0060
<b>Units per package</b>	250.00	<b>Weight per Unit (Kg)</b>	1.8400
<b>Minimum order</b>	500.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	Price at 500 units: 7.10 USD per unit	<b>Year of base price</b>	2022

### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: E006/IN02.1 Applicable PQS VP(s): E006/IN02-VP.1		

### PRODUCT SITES

<b>Organization name</b>	Berlinger & Co. AG
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<b>Address</b>	Mitteldorfstrasse 2, CH-9608 Ganterschwil, Switzerland Switzerland
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<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	Logtag TRIX-8
<b>IMD-PQS Code:</b>	E006-006
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	22 Jan 2008
<b>Appliance type:</b>	E006
<b>Product description:</b>	User prg temperature data logger
<b>Manufacturer:</b>	LogTag North America Inc.
<b>Manufacturers Reference:</b>	Logtag TRIX-8
<b>Country of Manufacture:</b>	Vietnam
<b>Address:</b>	TongFuYu Industrial Zone, Block NO.8, Jinghong Road, Shajing Town, Baoan 518117 ShenZhen, GuangDong China
<b>Telephone:</b>	+64 9 448 2311
<b>Email:</b>	<a href="mailto:sales@logtagrecorders.com">sales@logtagrecorders.com</a>
<b>Website address:</b>	<a href="http://www.logtagrecorders.com">www.logtagrecorders.com</a>
<b>Valid until:</b>	31 May 2025

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	0.00
<b>Sensor type(s)</b>	Integrated in the case of the device	<b>Maximum sensor lead length (metres)</b>	0.00
<b>Maximum number of sensor channels</b>	1.00	<b>External dimensions height (mm)</b>	85.00
<b>External dimensions length (mm)</b>	54.00	<b>External dimensions width (mm)</b>	8.50
<b>Activation mechanism</b>	On the device	<b>Material</b>	Polycarbonate
<b>Fixing mechanism</b>	None	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-40.00	<b>Maximum working temperature (°C)</b>	85.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Other
<b>Power Source (Other)</b>	Battery 3V	<b>Battery type</b>	Lithium 3V
<b>Battery shelf life (year)</b>	up to 10 years	<b>Activated battery life</b>	36 months
<b>Alarm type</b>	Visual	<b>Memory size (Mb)</b>	0.0160000000
<b>Memory capacity (readings)</b>	8000.00	<b>Programmability</b>	User Programed
<b>User interface</b>	Logtag interface + software	<b>Display medium</b>	LED
<b>Recording medium</b>	Electronic	<b>Ingress protection rating IP</b>	IP65

<b>Comments</b>	The LogTag TRIX18 Temperature Logger is a battery powered stand-alone measurement system for digital time-temperature monitoring. It incorporates a temperature sensor arranged in a recess in the case. This design protects the sensor from damage but still provides a fast reaction time . Using the LogTag interface and LogTag 's free available companion software LogTag Analyser, it is easily set up for recording conditions including delayed start, sampling interval, continuous or fixed number of readings and configuration of conditions to activate the ALERT indicator. Readings are downloaded using LogTag Analyser which provides facilities for chart, zoom, and listing data statistics and allows exporting the data to other applications such as Excel. The data downloading requires an external USB based docking station (Logtag interface) not included in the price. Maximum Logging Intervals: several hours
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.0051	<b>Weight per Package (Kg)</b>	0.0350
<b>Units per package</b>	50.00	<b>Weight per Unit (Kg)</b>	1.9000

<b>Minimum order</b>	20.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	20-99 units: 27.40 €	<b>Price 2</b>	100+ units: on request to manufacturer
<b>Year of base price</b>	2013		
<b>QUALITY STANDARD</b>			
<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2008
<b>Specification Reference</b>	Applicable PQS specification: E006/TR05.1 Applicable PQS VP(s): E006/TR05-VP.1		
<b>VERIFICATION</b>			
<b>Verification Laboratory</b>	TUV SUD PSB Pte Ltd	<b>Address</b>	15 International Business Park TÜV SÜD @ IBP Singapore 609937Singapore
<b>Telephone</b>	+6569736355	<b>Email</b>	xin-pei.kee@tuvsud.com
<b>Verification Report Reference</b>	TUV 21123235_001		
<b>PRODUCT SITES</b>			
<b>Organization name</b>	LogTag North America Inc.		
<b>Address</b>	TongFuYu Industrial Zone, Block NO.8, Jinghong Road, Shajing Town, Baoan 518117 ShenZhen, GuangDong China		
<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2025</i>

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	Freeze-tag
<b>IMD-PQS Code:</b>	E006-007
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	27 May 2008
<b>Appliance type:</b>	E006
<b>Product description:</b>	Electronic freeze indicator
<b>Manufacturer:</b>	Berlinger & Co. AG
<b>Manufacturers Reference:</b>	Freeze-tag
<b>Country of Manufacture:</b>	Malaysia
<b>Address:</b>	Mitteldorfstrasse 2, CH-9608 Ganterschwil, Switzerland Switzerland
<b>Telephone:</b>	+41 (71) 982 88 11
<b>Email:</b>	<a href="mailto:info@berlinger.com">info@berlinger.com</a>
<b>Website address:</b>	<a href="http://www.berlinger.com">http://www.berlinger.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Sensor type(s)</b>	Electronic
<b>Maximum sensor lead length (metres)</b>	0.00	<b>Maximum number of sensor channels</b>	0.00
<b>External dimensions height (mm)</b>	1.50	<b>External dimensions length (mm)</b>	50.00
<b>External dimensions width (mm)</b>	31.00	<b>Activation mechanism</b>	Always active
<b>Material</b>	ABS	<b>Fixing mechanism</b>	None
<b>CE marking</b>	Yes	<b>Minimum working temperature (°C)</b>	-20.00
<b>Maximum working temperature (°C)</b>	50.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	Lithium coin cell	<b>Battery shelf life (year)</b>	60 months from manufacture date
<b>Activated battery life</b>	Device always active	<b>Alarm type</b>	Visual
<b>Programmability</b>	Factory Programmed	<b>User interface</b>	LCD screen
<b>Display medium</b>	LCD	<b>Recording medium</b>	Electronic
<b>Ingress protection rating IP</b>	67		

<b>Comments</b>	Freeze-Tag is an irreversible temperature indicator that shows if a product, such as vaccine has been exposed to freezing temperatures. It consists of an electronic temperature measuring circuit with associated LCD-display. If the indicator is exposed to a temperature below -0.5°C ±0.5°C for more than 60min ± 3min the display will change from the "OK" status symbol (?) into the "ALARM" status symbol (x). A small blinking dot in the right hand corner of the LCD display indicates that the device is functioning. Discounts apply for large orders
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.031	<b>Weight per Package (Kg)</b>	0.0140
<b>Units per package</b>	500.00	<b>Weight per Unit (Kg)</b>	7.5000
<b>Minimum order</b>	500.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	8.90 USD per unit	<b>Year of base price</b>	2022

### QUALITY STANDARD



Quality Standard	Other	Quality standard (Other)	ISO 9001:2015
Specification Reference	Applicable PQS specification: E006/IN03.1 Applicable PQS VP(s): E006/IN03-VP.1		
VERIFICATION			
Verification Laboratory	METAS	Address	Lindenweg 50 CH-3003 Bern- WabernSwitzerland
Email	anton.steiner@metas.ch	Verification Report Reference	151-04141
PRODUCT SITES			
Organization name	Berlinger & Co. AG		
Address	Mitteldorfstrasse 2, CH-9608 Ganterschwil, Switzerland Switzerland		
Current PQS status:	Prequalified	Valid until:	31 May 2026

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	FreezeAlert TM
<b>IMD-PQS Code:</b>	E006-009
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	03 Mar 2009
<b>Appliance type:</b>	E006
<b>Product description:</b>	Electronic freeze indicator
<b>Manufacturer:</b>	Sensitech Inc.
<b>Manufacturers Reference:</b>	FreezeAlert TM
<b>Country of Manufacture:</b>	China
<b>Address:</b>	A Business Unit of Carrier Corporation, Suite 258X, 800 Cummings Center. Beverly, MA 01915 United States United States of America
<b>Telephone:</b>	+1 978 - 927- 7033
<b>Email:</b>	<a href="mailto:mmarks@carrier.com">mmarks@carrier.com</a>
<b>Website address:</b>	<a href="http://www.sensitech.com">http://www.sensitech.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Sensor type(s)</b>	--
<b>Maximum sensor lead length (metres)</b>	0.00	<b>Maximum number of sensor channels</b>	0.00
<b>External dimensions height (mm)</b>	10.00	<b>External dimensions length (mm)</b>	51.50
<b>External dimensions width (mm)</b>	35.00	<b>Activation mechanism</b>	Push button for activation
<b>Material</b>	ABS	<b>Fixing mechanism</b>	None
<b>CE marking</b>	No	<b>Maximum working temperature (°C)</b>	55.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	Lithium coin-cell	<b>Battery shelf life (year)</b>	can be stored inactivated for 12 months
<b>Activated battery life</b>	36 months (if stored for maximum 12 months)	<b>Alarm type</b>	Visual
<b>Programmability</b>	Factory Programmed	<b>User interface</b>	Start button switch
<b>Display medium</b>	LCD	<b>Recording medium</b>	Electronic
<b>Ingress protection rating IP</b>	IP64		

<b>Comments</b>	The FreezeAlert™ is a single alarm electronic temperature indicator providing an irreversible display of temperature exposure relative to the alarm setting of -0.5 °C for a continuous period of 60 minutes. If the indicator is exposed to conditions exceeding the alarm setting, the display changes from a "?" to an "X", informing the user of the triggered alarm state. The device contains an integrated push-button switch for field activation and a dynamic "dot" icon which affirms active monitoring. Carton of 1000 units
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.066	<b>Weight per Package (Kg)</b>	0.0140
<b>Units per package</b>	1000.00	<b>Weight per Unit (Kg)</b>	15.3000
<b>Minimum order</b>	500.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	500 units: 4.50 US\$	<b>Year of base price</b>	2009

### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
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<b>Specification Reference</b>	Applicable PQS specification: E006/IN03.1 Applicable PQS VP(s): E006/IN03-VP.1
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**VERIFICATION**

<b>Verification Laboratory</b>	TUV SUD PSB Pte Ltd	<b>Address</b>	15 International Business Park TÜV SÜD @ IBP Singapore 609937Singapore
<b>Telephone</b>	+6569736355	<b>Email</b>	xin-pei.kee@tuvsud.com
<b>Verification Report Reference</b>	S09EEC00004/C/BL/CEG Feb 2009		

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**PRODUCT SITES**

<b>Organization name</b>	Sensitech Inc.
<b>Address</b>	A Business Unit of Carrier Corporation, Suite 258X, 800 Cummings Center. Beverly, MA 01915 United States United States of America

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<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	VaxAlert TM
<b>IMD-PQS Code:</b>	E006-010
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	05 Aug 2009
<b>Appliance type:</b>	E006
<b>Product description:</b>	40 day Electronic shipping indicator
<b>Manufacturer:</b>	Sensitech Inc.
<b>Manufacturers Reference:</b>	VaxAlert TM
<b>Country of Manufacture:</b>	China
<b>Address:</b>	A Business Unit of Carrier Corporation, Suite 258X, 800 Cummings Center. Beverly, MA 01915 United States United States of America
<b>Telephone:</b>	+1 978 - 927- 7033
<b>Email:</b>	<a href="mailto:mmarks@carrier.com">mmarks@carrier.com</a>
<b>Website address:</b>	<a href="http://www.sensitech.com">http://www.sensitech.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Maximum recording time (days)</b>	20.00	<b>Sensor type(s)</b>	Electronic thermistor
<b>Maximum sensor lead length (metres)</b>	0.00	<b>Maximum number of sensor channels</b>	0.00
<b>External dimensions height (mm)</b>	17.50	<b>External dimensions length (mm)</b>	98.90
<b>External dimensions width (mm)</b>	58.00	<b>Activation mechanism</b>	push button
<b>Material</b>	ABS	<b>Fixing mechanism</b>	None
<b>CE marking</b>	Yes	<b>Minimum working temperature (°C)</b>	-30.00
<b>Maximum working temperature (°C)</b>	55.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	Not replaceable single use	<b>Battery shelf life (year)</b>	18 mths
<b>Activated battery life</b>	Minimum 20 days	<b>Alarm type</b>	Visual
<b>Programmability</b>	Factory Programmed	<b>User interface</b>	Device itself
<b>Display medium</b>	LCD	<b>Recording medium</b>	Electronic
<b>Ingress protection rating IP</b>	65		

<b>Comments</b>	VaxalertTM is an electronic temperature indicator. It provides alarm status and alarm history. There are three types of Vaxalert (Type 1, Type 2, Type Prevvar and Type Rotateq). Each type has different alarm settings. The history gives up to 9 events with event number, alarm excursion, time of the alarm and max min temperature during the alarm time period. Consult the catalogue for more information on this device
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.0044	<b>Weight per Package (Kg)</b>	0.0150
<b>Units per package</b>	20.00	<b>Weight per Unit (Kg)</b>	6.8000
<b>Minimum order</b>	20.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	20-100 units: 18.38 US\$	<b>Year of base price</b>	2025

**QUALITY STANDARD**

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: E006/IN03.1 Applicable PQS VP(s): E006/IN03-VP.1		

**VERIFICATION**

<b>Verification Laboratory</b>	TUV SUD PSB Pte Ltd	<b>Address</b>	15 International Business Park TUV SUD @ IBP Singapore 609937Singapore
<b>Telephone</b>	+6569736355	<b>Email</b>	xin-pei.kee@tuvsud.com
<b>Verification Report Reference</b>	S09EEC00004/A/BL/CEG		

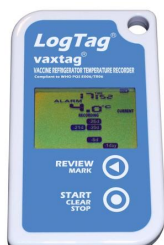
**PRODUCT SITES**

<b>Organization name</b>	Sensitech Inc.		
<b>Address</b>	A Business Unit of Carrier Corporation, Suite 258X, 800 Cummings Center. Beverly, MA 01915 United States United States of America		
<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	VaxTag 30-day electronic temperature logger
<b>IMD-PQS Code:</b>	E006-013
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	19 May 2011
<b>Appliance type:</b>	E006
<b>Product description:</b>	30-day electronic temperature logger
<b>Manufacturer:</b>	LogTag North America Inc.
<b>Manufacturers Reference:</b>	VaxTag 30-day electronic temperature logger
<b>Country of Manufacture:</b>	China
<b>Address:</b>	TongFuYu Industrial Zone, Block NO.8, Jinghong Road, Shajing Town, Baoan 518117 ShenZhen, GuangDong China
<b>Telephone:</b>	+64 9 448 2311
<b>Email:</b>	<a href="mailto:sales@logtagrecorders.com">sales@logtagrecorders.com</a>
<b>Website address:</b>	<a href="http://www.logtagrecorders.com">www.logtagrecorders.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Maximum logging intervals (mins)</b>	1.00
<b>Maximum recording time (days)</b>	80.00	<b>Maximum sensor lead length (metres)</b>	0.00
<b>Maximum number of sensor channels</b>	0.00	<b>External dimensions height (mm)</b>	8.60
<b>External dimensions length (mm)</b>	93.00	<b>External dimensions width (mm)</b>	54.50
<b>Activation mechanism</b>	Start button	<b>Material</b>	Polycarbonate
<b>Fixing mechanism</b>	None	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-30.00	<b>Maximum working temperature (°C)</b>	60.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	Lithium	<b>Activated battery life</b>	2-3 years
<b>Alarm type</b>	Visual	<b>Memory capacity (readings)</b>	7770.00
<b>User interface</b>	Standard Logtag interface cradle	<b>Display medium</b>	LCD
<b>Recording medium</b>	Electronic	<b>Ingress protection rating IP</b>	IP 65

<b>Comments</b>	Accessories: Standard Logtag Interface (docking station not included in the price) and the Logtag Analyser Software Details of any excursions can be checked directly by inspecting the statistics history on the recorder's display or in more detail by downloading the logged data via a LogTag USB interface to a PC running LogTag Analyser.
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.0051	<b>Weight per Package (Kg)</b>	0.0430
<b>Units per package</b>	50.00	<b>Weight per Unit (Kg)</b>	2.5000
<b>Minimum order</b>	20.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	20 - 99 units: 40.80 USD	<b>Price 2</b>	100+ units: on request
<b>Year of base price</b>	2013		

### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2008
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**Specification Reference**      Applicable PQS specification:  
E006/TR06.3 Applicable PQS  
VP(s): E006/TR06-VP.3

**VERIFICATION**

**Verification Report Reference**      A66604

**PRODUCT SITES**

**Organization name**      LogTag North America Inc.  
**Address**      TongFuYu Industrial Zone, Block NO.8, Jinghong Road, Shajing Town, Baoan 518117 ShenZhen,  
GuangDong  
China

**Current PQS status:**      *Prequalified*      **Valid until:**      *31 May 2026*

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	<b>Q-Tag CLm</b>
<b>IMD-PQS Code:</b>	E006-014
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	29 Jun 2012
<b>Appliance type:</b>	E006
<b>Product description:</b>	Electronic shipping indicator Q-Tag CLm
<b>Manufacturer:</b>	Berlinger & Co. AG
<b>Manufacturers Reference:</b>	Q-Tag CLm
<b>Country of Manufacture:</b>	Switzerland
<b>Address:</b>	Mitteldorfstrasse 2, CH-9608 Ganterschwil, Switzerland Switzerland
<b>Telephone:</b>	+41 (71) 982 88 11
<b>Email:</b>	<a href="mailto:info@berlinger.com">info@berlinger.com</a>
<b>Website address:</b>	<a href="http://www.berlinger.com">http://www.berlinger.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Maximum sensor lead length (metres)</b>	0.00	<b>Maximum number of sensor channels</b>	0.00
<b>External dimensions height (mm)</b>	11.50	<b>External dimensions length (mm)</b>	85.00
<b>External dimensions width (mm)</b>	55.00	<b>Activation mechanism</b>	Tag break
<b>Material</b>	Non-corrodible plastics (ABS)	<b>Fixing mechanism</b>	Adhesive
<b>CE marking</b>	Yes	<b>Minimum working temperature (°C)</b>	-30.00
<b>Maximum working temperature (°C)</b>	55.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	Lithium coin cell	<b>Battery shelf life (year)</b>	60 months from manufacture date
<b>Activated battery life</b>	40 days	<b>Alarm type</b>	Visual
<b>Programmability</b>	Factory Programmed	<b>User interface</b>	LCD Stop / Info buttons
<b>Display medium</b>	LCD	<b>Recording medium</b>	Electronic
<b>Ingress protection rating IP</b>	64		

<b>Comments</b>	The reliable multi-alarm shipping and storage temperature indicator Q-tag CLm can be programmed with 5 individual alarm limits from -25°C to +50°C. Thanks to the break-off tab, it is clear whether the device has actually started. Immediate and easy decision-making is ensured thanks to precise date and time information on the device's display. With its long lifetime of up to 5 years, the Q-tag CLm is ideal for monitoring the entire cold chain. Discounts apply for large orders
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.004	<b>Weight per Package (Kg)</b>	0.0300
<b>Units per package</b>	42.00	<b>Weight per Unit (Kg)</b>	1.7800
<b>Minimum order</b>	100.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	Price at 100 units: 23.35 USD per unit	<b>Year of base price</b>	2022

### QUALITY STANDARD



Quality Standard	Other	Quality standard (Other)	ISO 9001:2015
Specification Reference	Applicable PQS specification: E006/TR07.1 Applicable PQS VP(s): E006/TR07-VP.1		
VERIFICATION			
Verification Laboratory	Roth & CO AG	Address	asasasSwitzerland
Verification Report Reference	VA11-02742B		
PRODUCT SITES			
Organization name	Berlinger & Co. AG		
Address	Mitteldorfstrasse 2, CH-9608 Ganterschwil, Switzerland Switzerland		
Current PQS status:	Prequalified	Valid until:	31 May 2026

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	<b>Q-Tag Quad</b>
<b>IMD-PQS Code:</b>	E006-015
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	29 Jun 2012
<b>Appliance type:</b>	E006
<b>Product description:</b>	Electronic freeze indicator Q-Tag Quad
<b>Manufacturer:</b>	Berlinger & Co. AG
<b>Manufacturers Reference:</b>	Q-Tag Quad
<b>Country of Manufacture:</b>	Switzerland
<b>Address:</b>	Mitteldorfstrasse 2, CH-9608 Ganterschwil, Switzerland Switzerland
<b>Telephone:</b>	+41 (71) 982 88 11
<b>Email:</b>	<a href="mailto:info@berlinger.com">info@berlinger.com</a>
<b>Website address:</b>	<a href="http://www.berlinger.com">http://www.berlinger.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Maximum sensor lead length (metres)</b>	0.00	<b>Maximum number of sensor channels</b>	0.00
<b>External dimensions height (mm)</b>	11.00	<b>External dimensions length (mm)</b>	53.00
<b>External dimensions width (mm)</b>	39.00	<b>Activation mechanism</b>	Start button (one hour delay)
<b>Material</b>	ABS	<b>Fixing mechanism</b>	Adhesive
<b>CE marking</b>	Yes	<b>Minimum working temperature (°C)</b>	-30.00
<b>Maximum working temperature (°C)</b>	55.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	Lithium coin cell	<b>Battery shelf life (year)</b>	60 mths from manufacture date
<b>Activated battery life</b>	60 mths from manufacture date	<b>Alarm type</b>	Visual
<b>Programmability</b>	Factory Programmed	<b>User interface</b>	LCD Start/Stop button
<b>Display medium</b>	LCD	<b>Recording medium</b>	Electronic
<b>Ingress protection rating IP</b>	67		

<b>Comments</b>	The small, handy multi-alarm shipping and storage temperature indicator Q-tag Quad can be programmed with 4 individual alarm limits from -25°C to +50°C. Its simple OK / ALARM display enables easy and immediate decision-making, while its long service life of up to 5 years is perfect for "last mile" use. Function: This irreversible temperature indicator consists of an electronic temperature measuring circuit with associated LCDdisplay. If the indicator is exposed to temperature below - 0.5°C for more than 60min the display will change from the "good" status symbol into the "alarm" status symbol. A small blinking dot in the right hand corner of the LCD display indicates that the device is functioning. Discounts apply for large orders
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.004	<b>Weight per Package (Kg)</b>	0.0160
<b>Units per package</b>	100.00	<b>Weight per Unit (Kg)</b>	1.7800
<b>Minimum order</b>	100.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	Price at 100 units: 11.65 USD per unit	<b>Year of base price</b>	2022

QUALITY STANDARD

Quality Standard	Other	Quality standard (Other)	ISO 9001:2015
Specification Reference	Applicable PQS specification: E006/IN03.1 Applicable PQS VP(s): E006/IN03-VP.1		

VERIFICATION

Verification Laboratory	Roth & CO AG	Address	asasasSwitzerland
Verification Report Reference	VA11-02742 A		

PRODUCT SITES

Organization name	Berlinger & Co. AG		
Address	Mitteldorfstrasse 2, CH-9608 Ganterschwil, Switzerland Switzerland		
Current PQS status:	Prequalified	Valid until:	31 May 2026

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	Electronic shipping logger Q-tag CLM doc
<b>IMD-PQS Code:</b>	E006-016
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	07 Apr 2012
<b>Appliance type:</b>	E006
<b>Product description:</b>	Electronic shipping indicator Q-Tag CLM doc
<b>Manufacturer:</b>	Berlinger & Co. AG
<b>Manufacturers Reference:</b>	Electronic shipping logger Q-tag CLM doc
<b>Country of Manufacture:</b>	Switzerland
<b>Address:</b>	Mitteldorfstrasse 2, CH-9608 Ganterschwil, Switzerland Switzerland
<b>Telephone:</b>	+41 (71) 982 88 11
<b>Email:</b>	<a href="mailto:info@berlinger.com">info@berlinger.com</a>
<b>Website address:</b>	<a href="http://www.berlinger.com">http://www.berlinger.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Maximum logging intervals (mins)</b>	1.00	<b>Maximum recording time (days)</b>	40.00
<b>Maximum sensor lead length (metres)</b>	0.00	<b>Maximum number of sensor channels</b>	0.00
<b>External dimensions height (mm)</b>	12.00	<b>External dimensions length (mm)</b>	94.00
<b>External dimensions width (mm)</b>	54.00	<b>Activation mechanism</b>	Tag breakage
<b>Material</b>	ABS	<b>Fixing mechanism</b>	Adhesive
<b>CE marking</b>	Yes	<b>Minimum working temperature (°C)</b>	-30.00
<b>Maximum working temperature (°C)</b>	60.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	Lithium coin cell	<b>Battery shelf life (year)</b>	24 months from manufacture date
<b>Activated battery life</b>	40 days	<b>Alarm type</b>	Visual
<b>Programmability</b>	Factory Programmed	<b>User interface</b>	LCD
<b>Display medium</b>	LCD	<b>Recording medium</b>	Electronic
<b>Ingress protection rating IP</b>	65		

<b>Comments</b>	Multi-alarm shipping temperature USB monitor. The Q-tag CLM doc passively monitors just the relevant points during the transport. The multi-alarm shipping temperature USB monitor has a storage capacity of 1,500 measurements and is a single use device. When connected to a PC/Mac, the device automatically generates a secure PDF/A report showing the recorded data. Accessories: - Data verification with Berlinger Verifier - Data management with Berlinger Smartview All devices are delivered with NIST/LAC traceable certificate Discounts apply for large orders.
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.004	<b>Weight per Package (Kg)</b>	0.0360
<b>Units per package</b>	42.00	<b>Weight per Unit (Kg)</b>	1.6900
<b>Minimum order</b>	20.00	<b>Incoterms</b>	EXW

Price 1	Price at 20 units: 40.95 USD per unit	Year of base price	2020
QUALITY STANDARD			
Quality Standard	Other	Quality standard (Other)	ISO 9001:2015
Specification Reference	Applicable PQS specification: E006/TR07.1 Applicable PQS VP(s): E006/TR07-VP.1		
VERIFICATION			
Verification Laboratory	Roth & CO AG	Address	asasasSwitzerland
Verification Report Reference	VA11-02742C1		
PRODUCT SITES			
Organization name	Berlinger & Co. AG		
Address	Mitteldorfstrasse 2, CH-9608 Ganterschwil, Switzerland Switzerland		
Current PQS status:	Prequalified	Valid until:	31 May 2026

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	<b>Fridge-tag 2</b>
<b>IMD-PQS Code:</b>	E006-020
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	31 Jan 2013
<b>Appliance type:</b>	E006
<b>Product description:</b>	30 day electronic temperature logger
<b>Manufacturer:</b>	Berlinger & Co. AG
<b>Manufacturers Reference:</b>	Fridge-tag 2
<b>Country of Manufacture:</b>	Switzerland
<b>Address:</b>	Mitteldorfstrasse 2, CH-9608 Ganterschwil, Switzerland Switzerland
<b>Telephone:</b>	+41 (71) 982 88 11
<b>Email:</b>	<a href="mailto:info@berlinger.com">info@berlinger.com</a>
<b>Website address:</b>	<a href="http://www.berlinger.com">http://www.berlinger.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Maximum recording time (days)</b>	30.00	<b>Maximum sensor lead length (metres)</b>	0.00
<b>Maximum number of sensor channels</b>	1.00	<b>External dimensions height (mm)</b>	19.00
<b>External dimensions length (mm)</b>	128.00	<b>External dimensions width (mm)</b>	75.00
<b>Activation mechanism</b>	Button activated	<b>Material</b>	Non-corrodible plastic (ABS)
<b>Fixing mechanism</b>	Adhesive	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-40.00	<b>Maximum working temperature (°C)</b>	60.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	Lithium coin cell	<b>Battery shelf life (year)</b>	42 months from manufacturing date
<b>Activated battery life</b>	42 months from manufacturing date	<b>Alarm type</b>	Visual
<b>Programmability</b>	Factory Programmed	<b>User interface</b>	LCD
<b>Display medium</b>	LCD	<b>Recording medium</b>	Electronic
<b>Ingress protection rating IP</b>	64		

<b>Comments</b>	Fridge-tag 2 is the temperature monitor for medical refrigerators or freezers. It measures the ambient temperature every minute and immediately issues an alert when your alarm limit is exceeded. The large OK / ALARM indicator on the display enables immediate decision making. Accurate temperature data from the last 60 days is presented in a PDF, which is automatically generated when the device is connected to a PC/Mac, without additional software. The Fridge-tag 2 is also available with a removable external temperature sensor (measures down to -40°C / -40°F). Default configurations are Type 1 and Type 2 (as per TR06.4); other configurations are also possible. FREE Apps: The Fridge Tag 2 has been verified to be compatible with the free Varo Android application, which reads out data from 30DTR loggers and sends it via email to user-defined recipients in a format that can be easily aggregated using a separate free application called Pogo LT. The Varo and Pogo LT apps are free. They are developed and maintained by a third party, not affiliated with Berlinger. However, we consider both apps a complementary value-add to our Fridge-tags that come for free. Discounts apply for large orders. Country of Manufacture: Switzerland/Malaysia
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## PRICE AND SHIPPING

Shipping volume (m3)	0.009	Weight per Package (Kg)	0.1090
Units per package	32.00	Weight per Unit (Kg)	4.6300
Minimum order	20.00	Incoterms	EXW
Price 1	48.00 USD per unit	Year of base price	2022
QUALITY STANDARD			
Quality Standard	Other	Quality standard (Other)	ISO 9001:2015
Specification Reference	Applicable PQS specification: E006/TR06.3 Applicable PQS VP(s): E006/TR06-VP.3		
VERIFICATION			
Verification Laboratory	Roth & CO AG	Address	asasasSwitzerland
Verification Report Reference	VA 13-00120		
PRODUCT SITES			
Organization name	Berlinger & Co. AG		
Address	Mitteldorfstrasse 2, CH-9608 Ganterschwil, Switzerland Switzerland		
Current PQS status:	Prequalified	Valid until:	31 May 2026

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	TIC20 - WA/B & TIC20 - WC
<b>IMD-PQS Code:</b>	E006-021
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	03 Jun 2013
<b>Appliance type:</b>	E006
<b>Product description:</b>	40 day electronic shipping indicator
<b>Manufacturer:</b>	LogTag North America Inc.
<b>Manufacturers Reference:</b>	TIC20 - WA/B & TIC20 - WC
<b>Country of Manufacture:</b>	China
<b>Address:</b>	TongFuYu Industrial Zone, Block NO.8, Jinghong Road, Shajing Town, Baoan 518117 ShenZhen, GuangDong China
<b>Telephone:</b>	+64 9 448 2311
<b>Email:</b>	<a href="mailto:sales@logtagrecorders.com">sales@logtagrecorders.com</a>
<b>Website address:</b>	<a href="http://www.logtagrecorders.com">www.logtagrecorders.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	6.00
<b>Maximum recording time (days)</b>	40.00	<b>Sensor type(s)</b>	Electronic thermistor
<b>Maximum sensor lead length (metres)</b>	0.00	<b>Maximum number of sensor channels</b>	1.00
<b>External dimensions height (mm)</b>	8.30	<b>External dimensions length (mm)</b>	73.30
<b>External dimensions width (mm)</b>	54.50	<b>Activation mechanism</b>	Start button
<b>Material</b>	Polycarbonate	<b>Fixing mechanism</b>	Adhesive
<b>CE marking</b>	Yes	<b>Minimum working temperature (°C)</b>	-30.00
<b>Maximum working temperature (°C)</b>	55.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	LiMg non replaceable	<b>Battery shelf life (year)</b>	1 1/2 year
<b>Activated battery life</b>	7 months	<b>Alarm type</b>	Visual
<b>Programmability</b>	Factory Programmed	<b>User interface</b>	LCD
<b>Display medium</b>	LCD	<b>Recording medium</b>	Electronic
<b>Ingress protection rating IP</b>	65		

<b>Comments</b>	The LogTag TIC20 is a irreversible electronic temperature indicator for use in monitoring temperature and time statistics in pharmaceutical transport applications of up to 40 days duration and is factory pre-configured to monitor a range of standard vaccines. Provides clear indication of temperature history/alarm status at all times. Push button Start and Stop. Push Review button to display daily statistics in sequence. Data can be downloaded via an interface cradle (docking station not included in price) to LogTag Analyzer software if required. Order codes : TIC20-WC : WHO Type C alarm configuration for freeze sensitive vaccines (DTP, DT, TT, Td, HepB, IPV, liquid Hib and combination vaccines, MenAfriVac, HPV, Pneumo (other than Prevenar)). TIC20-WA/B : WHO Type A/B alarm configuration suitable for the international shipment of BCG, lyophilized Hib, measles, MR, MMR, meningitis (polysaccharide), OPV, rabies, rotavirus (other than rotateq) and yellow fever vaccines shipped with frozen icepacks. TIC20-WR : WHO type Rotateq only TIC20-WP : WHO type Prevenar only for Prevenar 7-valent conjugated vaccine (4 packs = 200 units, 0.031m3, 8.5kg)
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PRICE AND SHIPPING

Shipping volume (m3)	0.006	Weight per Package (Kg)	0.0293
Units per package	50.00	Weight per Unit (Kg)	2.0000
Minimum order	20.00	Incoterms	FOB
Price 1	20-49 units: 24.00 USD	Price 2	50+units: on request
Year of base price	2013		

QUALITY STANDARD

Quality Standard	Other	Quality standard (Other)	ISO 9001:2008
Specification Reference	Applicable PQS specification: E006/TR07.2 Applicable PQS VP(s): E006/TR07-VP.2		

VERIFICATION

Verification Laboratory	TUV SUD PSB Pte Ltd	Address	15 International Business Park TÜV SÜD @ IBP Singapore 609937Singapore
Telephone	+6569736355	Email	xin-pei.kee@tuvsud.com
Verification Report Reference	7191045935-EEC12/02		

PRODUCT SITES

Organization name	LogTag North America Inc.
Address	TongFuYu Industrial Zone, Block NO.8, Jinghong Road, Shajing Town, Baoan 518117 ShenZhen, GuangDong China

Current PQS status:	Prequalified	Valid until:	31 May 2026
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	<b>LIBERO CB</b>
<b>IMD-PQS Code:</b>	E006-022
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	07 Oct 2013
<b>Appliance type:</b>	E006
<b>Product description:</b>	User programmable temperature data logger CB
<b>Manufacturer:</b>	ELPRO-BUCHS AG
<b>Manufacturers Reference:</b>	LIBERO CB
<b>Country of Manufacture:</b>	Switzerland
<b>Address:</b>	Langaulistrasse 45 9470 Buchs Suisse Switzerland
<b>Telephone:</b>	+41 81 552 08 08
<b>Email:</b>	<a href="mailto:andrea.bischof@elpro.com">andrea.bischof@elpro.com</a>
<b>Website address:</b>	<a href="http://www.elpro.com/">http://www.elpro.com/</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Maximum logging intervals (mins)</b>	60.00	<b>Maximum recording time (days)</b>	366.00
<b>Sensor type(s)</b>	NTC	<b>Maximum sensor lead length (metres)</b>	0.00
<b>Maximum number of sensor channels</b>	1.00	<b>External dimensions height (mm)</b>	11.00
<b>External dimensions length (mm)</b>	96.00	<b>External dimensions width (mm)</b>	37.00
<b>Activation mechanism</b>	Start & stop buttons	<b>Material</b>	ABS
<b>Fixing mechanism</b>	None	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-30.00	<b>Maximum working temperature (°C)</b>	70.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.30	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	CR Lithium	<b>Battery shelf life (year)</b>	min 1 year (no activation)
<b>Activated battery life</b>	12 months	<b>Alarm type</b>	Visual
<b>Memory capacity (readings)</b>	24200.00	<b>Programmability</b>	User Programed
<b>User interface</b>	USB for computer	<b>Display medium</b>	LCD
<b>Recording medium</b>	Electronic	<b>Ingress protection rating IP</b>	54

<b>Comments</b>	Accessories: * freeware - liberoCONFIG - Configuration Software* - LIBERO SmartStart - Quick Configuration Tool* - liberoMANAGER - Online Cold Chain Database - elproVIEWER - Analysis Software* - elproASSISTANT - Task Manager The LIBERO CB PDF Logger is a single use data logger that automatically generates an evaluation report in PDF format upon connection to a USB port. No equipment and no software required to read out logger. Release products based on the OK or ALARM status on the display, retrieve the PDF report and forward it to the sender for further analysis or archive it locally. Key features: - 2 temperature thresholds with alarm delay; - Alarm on Mean Kinetic Temperature (MKT) - Alarm on duration / logging time; - Customizable text area for additional information (e.g. shipment information, instructions for recipient, etc.); - Chart visualizing the temperature curve and alarm limits Maximum recording time (days): 6.11 to 366 days
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.003	<b>Weight per Package (Kg)</b>	0.0380
<b>Units per package</b>	40.00	<b>Weight per Unit (Kg)</b>	1.6700

<b>Minimum order</b>	40.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	40+ = 31.06 USD; 120+ = 30.02USD	<b>Price 2</b>	600+ = 28.44; USD; 1000+ = on request
<b>Year of base price</b>	2023		

#### QUALITY STANDARD

<b>Quality Standard</b>	ISO 17025;Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: E006/TR05.1 Applicable PQS VP(s): E006/TR05-VP.1		

#### VERIFICATION

<b>Verification Laboratory</b>	METAS	<b>Address</b>	Lindenweg 50 CH-3003 Bern-WabernSwitzerland
<b>Email</b>	anton.steiner@metas.ch	<b>Verification Report Reference</b>	SAS SCS 25 March 2010

#### PRODUCT SITES

<b>Organization name</b>	ELPRO-BUCHS AG
<b>Address</b>	Langaulistrasse 45 9470 Buchs Suisse Switzerland

<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	<b>LIBERO CS</b>
<b>IMD-PQS Code:</b>	E006-023
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	07 Nov 2013
<b>Appliance type:</b>	E006
<b>Product description:</b>	User programmable temperature data logger CS
<b>Manufacturer:</b>	ELPRO-BUCHS AG
<b>Manufacturers Reference:</b>	LIBERO CS
<b>Country of Manufacture:</b>	Switzerland
<b>Address:</b>	Langaulistrasse 45 9470 Buchs Suisse Switzerland
<b>Telephone:</b>	+41 81 552 08 08
<b>Email:</b>	<a href="mailto:andrea.bischof@elpro.com">andrea.bischof@elpro.com</a>
<b>Website address:</b>	<a href="http://www.elpro.com/">http://www.elpro.com/</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Maximum logging intervals (mins)</b>	60.00	<b>Maximum recording time (days)</b>	366.00
<b>Sensor type(s)</b>	NTC	<b>Maximum sensor lead length (metres)</b>	0.00
<b>Maximum number of sensor channels</b>	1.00	<b>External dimensions height (mm)</b>	11.00
<b>External dimensions length (mm)</b>	96.00	<b>External dimensions width (mm)</b>	37.00
<b>Activation mechanism</b>	Start / stop button	<b>Material</b>	ABS
<b>Fixing mechanism</b>	None	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-30.00	<b>Maximum working temperature (°C)</b>	70.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.30	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	CR Lithium	<b>Battery shelf life (year)</b>	min 1 year (no activation)
<b>Activated battery life</b>	1 year	<b>Alarm type</b>	Visual
<b>Memory capacity (readings)</b>	24200.00	<b>Programmability</b>	User Programed
<b>User interface</b>	USB for computer	<b>Display medium</b>	LCD
<b>Recording medium</b>	Electronic	<b>Ingress protection rating IP</b>	IP 54

<b>Comments</b>	Accessories: * freeware - liberoCONFIG - Configuration Software* - LIBERO SmartStart - Quick Configuration Tool* - liberoMANAGER - Online Cold Chain Database - elproVIEWER - Analysis Software* - elproASSISTANT - Task Manager The LIBERO CS PDF Logger is a single use data logger with multiple alarm levels that automatically generates an evaluation report in PDF format upon connection to a USB port. No equipment and no software required to read out logger. Release products based on the OK or ALARM status on the display, retrieve the PDF report and forward it to the sender for further analysis or archive it locally. Key features: - up to 8 temperature alarm levels with single or cumulative delays; Alarm on Mean Kinetic Temperature (MKT); Alarm on duration / logging time; Customizable text area for additional information (e.g. shipment information, instructions for recipient, etc.); Chart visualizing the temperature curve and alarm limits
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.003	<b>Weight per Package (Kg)</b>	0.0380
<b>Units per package</b>	40.00	<b>Weight per Unit (Kg)</b>	1.6700

<b>Minimum order</b>	40.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	40+ = 31.06 USD; 120+ = 30.02 USD	<b>Price 2</b>	600+ = 28.44 USD
<b>Price 3</b>	1000+ = on request to manufacturer	<b>Year of base price</b>	2023

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#### QUALITY STANDARD

<b>Quality Standard</b>	ISO 17025;Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: E006/TR05.1 Applicable PQS VP(s): E006/TR05-vp.1		

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#### VERIFICATION

<b>Verification Laboratory</b>	METAS	<b>Address</b>	Lindenweg 50 CH-3003 Bern-WabernSwitzerland
<b>Email</b>	anton.steiner@metas.ch	<b>Verification Report Reference</b>	SAS SCS 122

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#### PRODUCT SITES

<b>Organization name</b>	ELPRO-BUCHS AG
<b>Address</b>	Langaulistrasse 45 9470 Buchs Suisse Switzerland

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<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	VaxAlertTM USB
<b>IMD-PQS Code:</b>	E006-029
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	18 Dec 2014
<b>Appliance type:</b>	E006
<b>Product description:</b>	40 day electronic shipping indicator
<b>Manufacturer:</b>	Sensitech Inc.
<b>Manufacturers Reference:</b>	VaxAlertTM USB
<b>Country of Manufacture:</b>	China
<b>Address:</b>	A Business Unit of Carrier Corporation, Suite 258X, 800 Cummings Center. Beverly, MA 01915 United States United States of America
<b>Telephone:</b>	+1 978 - 927- 7033
<b>Email:</b>	<a href="mailto:mmarks@carrier.com">mmarks@carrier.com</a>
<b>Website address:</b>	<a href="http://www.sensitech.com">http://www.sensitech.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	2.00
<b>Maximum recording time (days)</b>	20.00	<b>Sensor type(s)</b>	Electronic digital
<b>Maximum sensor lead length (metres)</b>	0.00	<b>Maximum number of sensor channels</b>	1.00
<b>External dimensions height (mm)</b>	19.60	<b>External dimensions length (mm)</b>	101.00
<b>External dimensions width (mm)</b>	56.00	<b>Activation mechanism</b>	Start/Stop button
<b>Material</b>	ABS	<b>Fixing mechanism</b>	None
<b>CE marking</b>	Yes	<b>Minimum working temperature (°C)</b>	-30.00
<b>Maximum working temperature (°C)</b>	55.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	3.6V Lithium	<b>Battery shelf life (year)</b>	24 mths
<b>Activated battery life</b>	12 mths	<b>Alarm type</b>	Visual
<b>Memory capacity (readings)</b>	16000.00	<b>Programmability</b>	Factory Programmed
<b>User interface</b>	LCD and PC downloadable	<b>Display medium</b>	LCD
<b>Recording medium</b>	Electronic	<b>Ingress protection rating IP</b>	64

<b>Comments</b>	<p>Sensitech Inc.'s most advanced electronic temperature shipping indicator integrates multi-alarm cold chain monitoring with detailed time-temperature alarm excursion history information. This advanced indicator enables logistics staff, receivers and quality assurance personnel to determine if and when cold chain breaks occur in the supply chain. The user-friendly liquid crystal display (LCD) combines complete alarm status information with an alarm time-stamp record and the maximum or minimum temperature. The indicators are factory configured with WHO established alarm profiles in support of UNICEF vaccine procurement and transport requirements. These cost-effective, single-use indicators monitor up to three time-temperature alarms, which can be tailored to specific cold chain transport monitoring requirements beyond WHO/UNICEF vaccine shipments. Its main features are: Automatic generation of Adobe® PDF cold chain data report; Integrated USB connector; Two types of alarms: (1) Single event alarms are triggered if temperature exceeds threshold for a contiguous time period, (2) Cumulative time event alarms are triggered if temperature exceeds threshold for a total sum of time. User-friendly three button interface and intuitive display enables immediate accept/reject decision making and detailed excursion history information. Alarm "time stamp" records elapsed time at point of alarm events, allowing supply chain partners to analyze variability and institute corrective actions. Accuracy: <math>\pm 0.5^{\circ}\text{C}</math> between <math>-5^{\circ}\text{C}</math> and <math>+25^{\circ}\text{C}</math> Maximum Logging Intervals: Optional up to 2 hours</p>		
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**PRICE AND SHIPPING**

<b>Weight per Package (Kg)</b>	0.0709	<b>Units per package</b>	20.00
<b>Weight per Unit (Kg)</b>	1.0400	<b>Minimum order</b>	20.00
<b>Incoterms</b>	EXW	<b>Price 1</b>	21.00€ per unit
<b>Year of base price</b>	2014		

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**QUALITY STANDARD**

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: E006/TR07.3 Applicable PQS VP(s): E006/TR07-VP.3		

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**VERIFICATION**

<b>Verification Report Reference</b>	ACS-E14535
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**PRODUCT SITES**

<b>Organization name</b>	Sensitech Inc.
<b>Address</b>	A Business Unit of Carrier Corporation, Suite 258X, 800 Cummings Center. Beverly, MA 01915 United States United States of America

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<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	Q-tag® CLm doc L
<b>IMD-PQS Code:</b>	E006-030
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	17 Apr 2015
<b>Appliance type:</b>	E006
<b>Product description:</b>	Electronic Shipping Indicator
<b>Manufacturer:</b>	Berlinger & Co. AG
<b>Manufacturers Reference:</b>	Q-tag® CLm doc L
<b>Country of Manufacture:</b>	Switzerland
<b>Address:</b>	Mitteldorfstrasse 2, CH-9608 Ganterschwil, Switzerland Switzerland
<b>Telephone:</b>	+41 (71) 982 88 11
<b>Email:</b>	<a href="mailto:info@berlinger.com">info@berlinger.com</a>
<b>Website address:</b>	<a href="http://www.berlinger.com">http://www.berlinger.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Maximum logging intervals (mins)</b>	60.00	<b>Maximum recording time (days)</b>	40.00
<b>Sensor type(s)</b>	Digital	<b>Maximum sensor lead length (metres)</b>	0.00
<b>Maximum number of sensor channels</b>	1.00	<b>External dimensions height (mm)</b>	12.00
<b>External dimensions length (mm)</b>	94.00	<b>External dimensions width (mm)</b>	54.00
<b>Activation mechanism</b>	Start button	<b>Material</b>	ABS
<b>Fixing mechanism</b>	None	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-30.00	<b>Maximum working temperature (°C)</b>	60.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	Lithium coin cell	<b>Battery shelf life (year)</b>	24 months from manufacture date
<b>Activated battery life</b>	40 days	<b>Alarm type</b>	Visual
<b>Memory capacity (readings)</b>	38000.00	<b>Programmability</b>	Factory Programmed
<b>User interface</b>	LCD + PC downloadable	<b>Display medium</b>	LCD
<b>Recording medium</b>	Electronic	<b>Ingress protection rating IP</b>	65

<b>Comments</b>	Multi-alarm shipping temperature USB logger. With an operating time of up to 365 days, the Q-tag CLm doc L multi-alarm shipping temperature logger is particularly durable monitor for your valuable goods. When connected to a computer, the logger automatically generates a secure PDF/A report showing the measured data including the temperature curve. The measurement interval is one minute and the memory has a capacity of 38,000. Accessories: - Data verification with Berlinger Verifier - Data management with Berlinger Smartview All devices are delivered with NIST/LAC traceable certificate Discounts apply for large orders
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.004	<b>Weight per Package (Kg)</b>	0.0360
<b>Units per package</b>	50.00	<b>Weight per Unit (Kg)</b>	1.9800
<b>Minimum order</b>	50.00	<b>Incoterms</b>	EXW



Price 1	Price at 20 units: 42.15 USD per unit	Year of base price	2022
QUALITY STANDARD			
Quality Standard	Other	Quality standard (Other)	ISO 9001:2015
Specification Reference	Applicable PQS specification: E006/TR07.1 Applicable PQS VP(s): E006/TR07-VP.1		
VERIFICATION			
Verification Laboratory	Roth & CO AG	Address	asasasSwitzerland
Verification Report Reference	VA15-0238-10		
PRODUCT SITES			
Organization name	Berlinger & Co. AG		
Address	Mitteldorfstrasse 2, CH-9608 Ganterschwil, Switzerland Switzerland		
Current PQS status:	Prequalified	Valid until:	31 May 2026

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	ICE3 - Model BC141
<b>IMD-PQS Code:</b>	E006-036
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	11 Nov 2015
<b>Appliance type:</b>	E006
<b>Product description:</b>	Remote Temperature Monitoring Device
<b>Manufacturer:</b>	Beyond Wireless Technology (Pty) Ltd
<b>Manufacturers Reference:</b>	ICE3 - Model BC141
<b>Country of Manufacture:</b>	South Africa
<b>Address:</b>	1st floor, Building 13, Woodlands Office Park, 20 Woodlands Drive, Woomead, Sandton 2191 South Africa
<b>Telephone:</b>	+27 (0)112432960/1
<b>Email:</b>	<a href="mailto:dion@beyondwireless.co.za">dion@beyondwireless.co.za</a>
<b>Website address:</b>	<a href="http://beyondwireless.co.za/">http://beyondwireless.co.za/</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Maximum logging intervals (mins)</b>	10.00	<b>Sensor type(s)</b>	NTC+'door-open' event sensor
<b>Maximum sensor lead length (metres)</b>	1.00	<b>Maximum number of sensor channels</b>	6.00
<b>External dimensions height (mm)</b>	75.00	<b>External dimensions length (mm)</b>	175.00
<b>External dimensions width (mm)</b>	40.00	<b>Material</b>	ABS
<b>Fixing mechanism</b>	Adhesive	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-40.00	<b>Maximum working temperature (°C)</b>	105.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.20	<b>Power source</b>	Other
<b>Power Source (Other)</b>	Battery / Mains / Solar	<b>Battery type</b>	Lithium
<b>Battery shelf life (year)</b>	10 years	<b>Activated battery life</b>	Up to 1000 charge cycles
<b>Alarm type</b>	Aucoustic	<b>Memory size (Mb)</b>	0.0232000000
<b>Memory capacity (readings)</b>	35000.00	<b>Programmability</b>	Other
<b>Programmability (Other)</b>	Remotely programmable	<b>User interface</b>	Membrane keypad, App, Internet browser
<b>Display medium</b>	Onboard LCD and Online (via internet browser)	<b>Recording medium</b>	Not applicable
<b>Ingress protection rating IP</b>	IP50 (logger); IP68 (probe)		

<b>Comments</b>	Remote monitoring / alarming device for cold-chain storage facilities and assets such as warehouses, fridges, freezers, walk-in cold rooms/freezers, incubators etc. The following are included: - Inputs: 4 x Temperature, 4 x digital e.g. door, power status - Built-in Ambient temperature / RH - Built-in power monitoring (Mains and OEM versions). - Magnetic mount (in addition to / instead of screw mounts) - Backup battery in case of mains failure, with alarm notification. - Global SIM with multi-network roaming - Real time SMS, email, smartphone app and on-line alarming notifications with multi-recipient escalation - Portal access for unlimited users - Smartphone App (Android, iOS and Huawei) - Multilayer, remotely configurable alarm parameters. - Real-time GIS dashboard. - Historic online cold chain reporting & performance analysis with detailed root-cause and corrective action analytics by region, site, asset, make and model - Full 30DTR functionality - Alarm types include: Buzzer. LED, LCD (at unit) and SMS, Email, App, ColdCloud portal (remotely) - Available in Battery, Mains, OEM and truck configurations. Options: => GPS (track asset including fridges, refrigerated vehicles etc) => FreezeGuard (Automatically switch fridge off if temperature gets too cold) => Remote control (set fridge temperature remotely – replaces thermostat/controller in fridge)		
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#### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.0015	<b>Weight per Package (Kg)</b>	0.3000
<b>Units per package</b>	1.00	<b>Weight per Unit (Kg)</b>	0.3500
<b>Minimum order</b>	1.00	<b>Incoterms</b>	FCA
<b>Price 1</b>	\$300 once-off and \$360 per year	<b>Year of base price</b>	2015

#### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2008
<b>Specification Reference</b>	Applicable PQS specification: E006/TR03.2 Applicable PQS VP(s): E006/TR03-VP.2		

#### PRODUCT SITES

<b>Organization name</b>	Beyond Wireless Technology (Pty) Ltd		
<b>Address</b>	1st floor, Building 13, Woodlands Office Park, 20 Woodlands Drive, Woomead, 1st floor, Building 13, Woodlands Office Park, 20 Woodlands Drive, Woomead, Sandton 2191 South Africa		
<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	Ice3-Extra-BC440
<b>IMD-PQS Code:</b>	E006-037
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	11 Nov 2015
<b>Appliance type:</b>	E006
<b>Product description:</b>	Remote Temperature Monitoring Device
<b>Manufacturer:</b>	Beyond Wireless Technology (Pty) Ltd
<b>Manufacturers Reference:</b>	Ice3-Extra-BC440
<b>Country of Manufacture:</b>	South Africa
<b>Address:</b>	1st floor, Building 13, Woodlands Office Park, 20 Woodlands Drive, Woomead, Sandton 2191 South Africa
<b>Telephone:</b>	+27 (0)112432960/1
<b>Email:</b>	<a href="mailto:dion@beyondwireless.co.za">dion@beyondwireless.co.za</a>
<b>Website address:</b>	<a href="http://beyondwireless.co.za/">http://beyondwireless.co.za/</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Sensor type(s)</b>	NTC+'door-open' event sensor	<b>Maximum sensor lead length (metres)</b>	1.00
<b>Maximum number of sensor channels</b>	14.00	<b>External dimensions height (mm)</b>	255.00
<b>External dimensions length (mm)</b>	230.00	<b>External dimensions width (mm)</b>	80.00
<b>Material</b>	ABS	<b>Fixing mechanism</b>	Screws
<b>CE marking</b>	Yes	<b>Minimum working temperature (°C)</b>	-200.00
<b>Maximum working temperature (°C)</b>	450.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.02	<b>Power source</b>	Other
<b>Power Source (Other)</b>	Batter / Mains / Solar	<b>Battery type</b>	Li-ion
<b>Battery shelf life (year)</b>	>10	<b>Activated battery life</b>	Up to 500 full charge cycles
<b>Alarm type</b>	Aucostic	<b>Memory capacity (readings)</b>	60000.00
<b>Programmability</b>	User Programed	<b>User interface</b>	Internet browser
<b>Display medium</b>	Onbaord LCD and online	<b>Recording medium</b>	Electronic
<b>Ingress protection rating IP</b>	IP50 (logger); IP68 (probe)		

<b>Comments</b>	Remote monitoring / alarming device for cold-chain storage facilities and assets such as warehouses, fridges, freezers (including -80°C and -200°C), walk-in cold rooms/freezers, incubators etc. The following are included: - Inputs: 8 x Temperature (or other), 8 x digital e.g. door, 8 x PT100 temperature (with add-on board) - Built-in Ambient temperature / RH - Onboard power monitoring and surge / spike protection. - Backup battery in case of mains failure, with alarm notification. - Global SIM with multi-network roaming - Real time SMS, email, smartphone app and on-line alarming notifications with multi-recipient escalation - Portal access for unlimited users - Smartphone App (Android, iOS and Huawei) - Multilayer, remotely configurable alarm parameters. - Real-time GIS dashboard. - Historic online cold chain reporting & performance analysis with detailed root-cause and corrective action analytics by region, site, asset, make and model - Alarm types include: Buzzer, LED, LCD (at unit) and SMS, Email, App, ColdCloud portal (remotely) OPTIONS: => Solar / DC input => Analogue inputs e.g. 0-10V, 4-20mA (for external sensors such as differential press, RH, dust etc.) => PT100 inputs (additional 8 channels) Accuracy: +/- 0.2°C at 25°C (NTC); +/- 0.15°C at 0°C (PT100)
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PRICE AND SHIPPING

Shipping volume (m3)	0.011	Weight per Package (Kg)	1.0000
Units per package	1.00	Weight per Unit (Kg)	1.0000
Minimum order	1.00	Incoterms	FCA
Price 1	\$580	Price 2	NTC temeprature probes \$39
Price 3	Annual fee \$480 per year	Year of base price	2015

QUALITY STANDARD

Quality Standard	Other	Quality standard (Other)	ISO 9001:2008
Specification Reference	Applicable PQS specification: E006/TR03.2 Applicable PQS VP(s): E006/TR03-VP.2		

PRODUCT SITES

Organization name	Beyond Wireless Technology (Pty) Ltd		
Address	1st floor, Building 13, Woodlands Office Park, 20 Woodlands Drive, Woomead, 1st floor, Building 13, Woodlands Office Park, 20 Woodlands Drive, Woomead, Sandton 2191 South Africa		
Current PQS status:	Prequalified	Valid until:	31 May 2026

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	TICT-iS0°Tag
<b>IMD-PQS Code:</b>	E006-038
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	25 Apr 2016
<b>Appliance type:</b>	E006
<b>Product description:</b>	Irreversible freeze indicator
<b>Manufacturer:</b>	LogTag North America Inc.
<b>Manufacturers Reference:</b>	TICT-iS0°Tag
<b>Country of Manufacture:</b>	China
<b>Address:</b>	TongFuYu Industrial Zone, Block NO.8, Jinghong Road, Shajing Town, Baoan 518117 ShenZhen, GuangDong China
<b>Telephone:</b>	+64 9 448 2311
<b>Email:</b>	<a href="mailto:sales@logtagrecorders.com">sales@logtagrecorders.com</a>
<b>Website address:</b>	<a href="http://www.logtagrecorders.com">www.logtagrecorders.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	5.00
<b>Maximum logging intervals (mins)</b>	5.00	<b>Sensor type(s)</b>	Electronic Thermistor
<b>Maximum sensor lead length (metres)</b>	0.00	<b>Maximum number of sensor channels</b>	0.00
<b>External dimensions height (mm)</b>	8.60	<b>External dimensions length (mm)</b>	71.50
<b>External dimensions width (mm)</b>	33.00	<b>Activation mechanism</b>	manual
<b>Material</b>	Polycarbonate	<b>Fixing mechanism</b>	Adhesive
<b>CE marking</b>	Yes	<b>Minimum working temperature (°C)</b>	-25.00
<b>Maximum working temperature (°C)</b>	60.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	3V Lithium Li-Mg coin cell	<b>Battery shelf life (year)</b>	3 years
<b>Activated battery life</b>	3 years	<b>Alarm type</b>	Visual
<b>Programmability</b>	Factory Programmed	<b>User interface</b>	LCD screen
<b>Display medium</b>	Custom LCD display	<b>Recording medium</b>	Not applicable
<b>Ingress protection rating IP</b>	64		

<b>Comments</b>	The LogTag® TICT iS0°Tag® is a single-use, electronic freeze indicator for monitoring temperature as well as recording statistics during the transportation and storage of chilled products, such as vaccines, food or specialty chemical products, designed to meet WHO PQS performance specification E06/IN03.1 for irreversible freeze indicators. The product is made from durable polycarbonate plastic and features an LCD display and a START/MARK button. The LogTag TICT iS0°Tag® can monitor and record statistics against a -0.5°C temperature limit for up to 3 years, showing OK if environmental conditions remain at or above this limit. If, however, temperatures go below -0.5°C for more than 60 minutes continuously, the LCD shows a REJECT symbol, indicating the goods require further checking. The indicator stops and cannot be reset, once an alarm has been generated. Memory capacity: 1096 MIN/MAX events, 540 real time measurements
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.017	<b>Weight per Package (Kg)</b>	0.0190
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<b>Units per package</b>	200.00	<b>Weight per Unit (Kg)</b>	4.5000
<b>Minimum order</b>	50.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	50-999 units: 6.5 \$US	<b>Price 2</b>	more than 1000 units: POA
<b>Year of base price</b>	2016		

#### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2008
<b>Specification Reference</b>	Applicable PQS specification: PQS/E006/IN03.1 Applicable PQS VP(s): E006/IN03-VP.1		

#### VERIFICATION

<b>Verification Laboratory</b>	TUV SUD PSB Pte Ltd	<b>Address</b>	15 International Business Park TÜV SÜD @ IBP Singapore 609937Singapore
<b>Telephone</b>	+6569736355	<b>Email</b>	xin-pei.kee@tuvsud.com
<b>Verification Report Reference</b>	7191129301-EEC16/NCH		

#### PRODUCT SITES

<b>Organization name</b>	LogTag North America Inc.		
<b>Address</b>	TongFuYu Industrial Zone, Block NO.8, Jinghong Road, Shajing Town, Baoan 518117 ShenZhen, GuangDong China		

<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	<b>Fridge-tag 2 E</b>
<b>IMD-PQS Code:</b>	E006-040
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	30 Oct 2016
<b>Appliance type:</b>	E006
<b>Product description:</b>	30-day electronic temperature logger
<b>Manufacturer:</b>	Berlinger & Co. AG
<b>Manufacturers Reference:</b>	Fridge-tag 2 E
<b>Country of Manufacture:</b>	Switzerland
<b>Address:</b>	Mitteldorfstrasse 2, CH-9608 Ganterschwil, Switzerland Switzerland
<b>Telephone:</b>	+41 (71) 982 88 11
<b>Email:</b>	<a href="mailto:info@berlinger.com">info@berlinger.com</a>
<b>Website address:</b>	<a href="http://www.berlinger.com">http://www.berlinger.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Maximum recording time (days)</b>	60.00	<b>Maximum sensor lead length (metres)</b>	0.00
<b>Maximum number of sensor channels</b>	1.00	<b>External dimensions height (mm)</b>	19.00
<b>External dimensions length (mm)</b>	128.00	<b>External dimensions width (mm)</b>	75.00
<b>Activation mechanism</b>	Button activated	<b>Material</b>	Non-corrodible plastic (ABS)
<b>Fixing mechanism</b>	Adhesive	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-40.00	<b>Maximum working temperature (°C)</b>	60.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	Lithium coin cell	<b>Battery shelf life (year)</b>	66 months from the manufacturing date
<b>Activated battery life</b>	66 months from the manufacturing date	<b>Alarm type</b>	Visual
<b>Programmability</b>	Factory Programmed	<b>User interface</b>	LCD
<b>Display medium</b>	LCD	<b>Recording medium</b>	Electronic
<b>Ingress protection rating IP</b>	64		

<b>Comments</b>	Fridge-tag 2 E, now with 5 years operating time, is the temperature monitor for medical refrigerators or freezers. It measures the ambient temperature every minute and immediately issues an alert when your alarm limit is exceeded. The large OK / ALARM indicator on the display enables immediate decisions to be made. Accurate temperature data from the last 60 days is presented in a PDF, which is automatically generated when the device is connected to a PC/Mac, without additional software. The Fridge-tag 2 E is also available with a removable external temperature sensor (measures up to -40°C / -40°F). Default configurations are Type 1 and Type 2 (as per TR06.4); other configurations are also possible. FREE Apps: The Fridge Tag 2 has been verified to be compatible with the free Varo Android application, which reads out data from 30DTR loggers and sends it via email to user-defined recipients in a format that can be easily aggregated using a separate free application called Pogo LT. The Varo and Pogo LT apps are free. They are developed and maintained by a third party, not affiliated with Berlinger. However, we consider both apps a complementary value-add to our Fridge-tags that come for free. Discounts apply for large orders Country of Manufacture: Switzerland/Malaysia
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## PRICE AND SHIPPING



Shipping volume (m3)	0.017	Weight per Package (Kg)	0.1120
Units per package	50.00	Weight per Unit (Kg)	8.0000
Minimum order	20.00	Incoterms	EXW
Price 1	For 20 units 78.50 USD per unit	Year of base price	2022
QUALITY STANDARD			
Quality Standard	Other	Quality standard (Other)	ISO 9001:2015
Specification Reference	Applicable PQS specification: PQS/E006/TR06.3 Applicable PQS VP(s): E006/TR06-VP.3		
VERIFICATION			
Verification Laboratory	Roth & CO AG	Address	asasasSwitzerland
Verification Report Reference	VA 16-01816		
PRODUCT SITES			
Organization name	Berlinger & Co. AG		
Address	Mitteldorfstrasse 2, CH-9608 Ganterenschwil, Switzerland Switzerland		
Current PQS status:	Prequalified	Valid until:	31 May 2026

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	HETL-01
<b>IMD-PQS Code:</b>	E006-042
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	14 Jul 2016
<b>Appliance type:</b>	E006
<b>Product description:</b>	30-day electronic temperature logger
<b>Manufacturer:</b>	Qingdao Haier Biomedical Co., Ltd
<b>Manufacturers Reference:</b>	HETL-01
<b>Country of Manufacture:</b>	China
<b>Address:</b>	No.280 Fengyuan Road High-tech Zone Qingdao Shandong China
<b>Telephone:</b>	+86-15066227057
<b>Email:</b>	<a href="mailto:tianhui.yu@haierbiomedical.com">tianhui.yu@haierbiomedical.com</a>
<b>Website address:</b>	<a href="http://www.haiermedical.com">http://www.haiermedical.com</a>
<b>Valid until:</b>	31 May 2026

### Specifications

#### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	6.00
<b>Maximum recording time (days)</b>	30.00	<b>Sensor type(s)</b>	integrated sensor
<b>Maximum sensor lead length (metres)</b>	0.00	<b>Maximum number of sensor channels</b>	0.00
<b>External dimensions height (mm)</b>	131.00	<b>External dimensions width (mm)</b>	24.00
<b>Activation mechanism</b>	Press buttons	<b>Material</b>	ABS
<b>Fixing mechanism</b>	None	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-20.00	<b>Maximum working temperature (°C)</b>	50.00

#### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	Non-rechargeable lithium battery	<b>Battery shelf life (year)</b>	3 years
<b>Activated battery life</b>	2 years	<b>Alarm type</b>	Visual
<b>Memory capacity (readings)</b>	8192.00	<b>Programmability</b>	Factory Programmed
<b>User interface</b>	device itself	<b>Display medium</b>	LCD
<b>Recording medium</b>	Electronic	<b>Ingress protection rating IP</b>	IP65

<b>Comments</b>	30-day electronic refrigerator temperature logger, integrated sensor devices, reusable. It is used to monitor and log the vaccine and pharmacy storage environment, applied in vaccine refrigerators and cold rooms. This device can log the daily temperature data, and alarm indications displayed in the LCD display when the temperature exceeds. Data with 30 days can be viewed and downloaded by USB port to PC, and generate temperature charts
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#### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.001	<b>Weight per Package (Kg)</b>	0.1400
<b>Units per package</b>	5.00	<b>Weight per Unit (Kg)</b>	0.1400
<b>Minimum order</b>	5.00	<b>Incoterms</b>	FCA
<b>Price 1</b>	1-100 units: USD 23.00	<b>Price 2</b>	101-200 units: USD 22.00; 201-500 units: USD 21.00
<b>Price 3</b>	>501 units: USD 20.00	<b>Year of base price</b>	2016

**QUALITY STANDARD**

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2008
<b>Specification Reference</b>	Applicable PQS specification: E006/TR06.3 Applicable PQS VP(s): E006/TR06-VP.3		

**VERIFICATION**

<b>Verification Laboratory</b>	CHEARI	<b>Address</b>	#29 Xia Jie Street, Xuan Wu district Beijing 100053 R. P. de ChineChina
<b>Telephone</b>	+86 1063162443	<b>Email</b>	gongcx@cheari.com
<b>Verification Report Reference</b>	WB-16-243		

**PRODUCT SITES**

<b>Organization name</b>	Qingdao Haier Biomedical Co., Ltd		
<b>Address</b>	No.280 Fengyuan Road High-tech Zone Qingdao Shandong China		

<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	<b>Weblogger II</b>
<b>IMD-PQS Code:</b>	E006-043
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	03 Mar 2017
<b>Appliance type:</b>	E006
<b>Product description:</b>	User programmable temperature data logger
<b>Manufacturer:</b>	Temperature Sensitive Solutions AB
<b>Manufacturers Reference:</b>	Weblogger II
<b>Country of Manufacture:</b>	Sweden
<b>Address:</b>	Berzelius vag 25 171 65 Solna Sweden
<b>Telephone:</b>	+46790791229
<b>Email:</b>	<a href="mailto:andras.kalmar@tss.se">andras.kalmar@tss.se</a>
<b>Website address:</b>	<a href="http://www.tss.se">http://www.tss.se</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Maximum logging intervals (mins)</b>	5760.00	<b>Sensor type(s)</b>	Internal Electronic Sensor
<b>External dimensions height (mm)</b>	11.50	<b>External dimensions length (mm)</b>	90.00
<b>External dimensions width (mm)</b>	43.00	<b>Activation mechanism</b>	Button or web interface
<b>Material</b>	ABS	<b>Fixing mechanism</b>	None
<b>CE marking</b>	Yes	<b>Minimum working temperature (°C)</b>	-30.00
<b>Maximum working temperature (°C)</b>	70.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	CR Lithium	<b>Battery shelf life (year)</b>	1 year
<b>Activated battery life</b>	12 months	<b>Alarm type</b>	Visual
<b>Memory size (Mb)</b>	0.5120000000	<b>Memory capacity (readings)</b>	16000.00
<b>Programmability</b>	User Programed	<b>User interface</b>	USB for computer
<b>Recording medium</b>	flash memory	<b>Ingress protection rating IP</b>	IP 65

<b>Comments</b>	The WebLogger II is a RoHS, CE and IATA compliant electronic temperature data logger. The logger can be individually configured and programmed or ordered preconfigured. It offers unique management of mission data, e.g. Shipping #, Origin, Destination, Carrier, and Data-Logger Location in the CCIS cloud. When the logger is plugged into a computer USB port, an HTM file is created containing the data. Clicking the file will display the result on a web dashboard and secure the mission data in the CCIS private secure cloud. Maximum Logging Intervals: 4 days
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.0104	<b>Weight per Package (Kg)</b>	0.0360
<b>Units per package</b>	100.00	<b>Weight per Unit (Kg)</b>	4.0000
<b>Minimum order</b>	100.00	<b>Incoterms</b>	FCA
<b>Price 1</b>	100-250: €39	<b>Price 2</b>	250+: €38
<b>Price 3</b>	1000+: on request to manufacturer	<b>Year of base price</b>	2017

**QUALITY STANDARD**

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2008
<b>Specification Reference</b>	Applicable PQS specification: PQS/E006/TR05.1 Applicable PQS VP(s): E006/TR05-VP.1		

**PRODUCT SITES**

<b>Organization name</b>	Temperature Sensitive Solutions AB		
<b>Address</b>	Berzelius vag 25 171 65 Solna Sweden		
<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	ITAG4
<b>IMD-PQS Code:</b>	E006-044
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	10 Apr 2017
<b>Appliance type:</b>	E006
<b>Product description:</b>	User programmable temperature data logger
<b>Manufacturer:</b>	TempSen Electronics Company
<b>Manufacturers Reference:</b>	ITAG4
<b>Country of Manufacture:</b>	China
<b>Address:</b>	Building 17, No.66 Guangfulin Rd.(E) 201613 Shanghai China
<b>Telephone:</b>	+862167685210
<b>Email:</b>	<a href="mailto:info@tempsen.com">info@tempsen.com</a>
<b>Website address:</b>	<a href="http://www.tempsen.com">www.tempsen.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Maximum logging intervals (mins)</b>	120.00	<b>Sensor type(s)</b>	Digital
<b>Maximum sensor lead length (metres)</b>	0.00	<b>Maximum number of sensor channels</b>	1.00
<b>External dimensions height (mm)</b>	7.00	<b>External dimensions length (mm)</b>	93.00
<b>External dimensions width (mm)</b>	45.00	<b>Activation mechanism</b>	Button activated
<b>Material</b>	Polycarbonate	<b>Fixing mechanism</b>	None
<b>CE marking</b>	Yes	<b>Minimum working temperature (°C)</b>	-30.00
<b>Maximum working temperature (°C)</b>	70.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	3 V Lithium metal battery	<b>Battery shelf life (year)</b>	2 years
<b>Activated battery life</b>	2 months	<b>Alarm type</b>	Visual
<b>Memory capacity (readings)</b>	7200.00	<b>Programmability</b>	User Programed
<b>User interface</b>	LCD	<b>Display medium</b>	LCD
<b>Recording medium</b>	Electronic	<b>Ingress protection rating IP</b>	IP 65

### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	1.3E-6	<b>Weight per Package (Kg)</b>	0.0250
<b>Units per package</b>	20.00	<b>Weight per Unit (Kg)</b>	0.5700
<b>Minimum order</b>	20.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	(10-100 units): 20.99 \$	<b>Price 2</b>	>100 units: 19.49 \$
<b>Year of base price</b>	2017		

### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2008
<b>Specification Reference</b>	Applicable PQS specification: PQS/E006/TR05.1 Applicable PQS VP(s): E006/TR05-VP.1		

PRODUCT SITES

Organization name	TempSen Electronics Company
Address	Building 17, No.66 Guangfulin Rd.(E) 201613 Shanghai China

Current PQS status:	Prequalified	Valid until:	31 May 2026
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	ITAG4 Bio
<b>IMD-PQS Code:</b>	E006-045
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	10 Apr 2017
<b>Appliance type:</b>	E006
<b>Product description:</b>	User programmable temperature data logger
<b>Manufacturer:</b>	TempSen Electronics Company
<b>Manufacturers Reference:</b>	ITAG4 Bio
<b>Country of Manufacture:</b>	China
<b>Address:</b>	Building 17, No.66 Guangfulin Rd.(E) 201613 Shanghai China
<b>Telephone:</b>	+862167685210
<b>Email:</b>	<a href="mailto:info@tempsen.com">info@tempsen.com</a>
<b>Website address:</b>	<a href="http://www.tempsen.com">www.tempsen.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Sensor type(s)</b>	Digital	<b>Maximum sensor lead length (metres)</b>	0.00
<b>Maximum number of sensor channels</b>	1.00	<b>External dimensions height (mm)</b>	7.00
<b>External dimensions length (mm)</b>	93.00	<b>External dimensions width (mm)</b>	45.00
<b>Activation mechanism</b>	Button activated	<b>Material</b>	Polycarbonate
<b>Fixing mechanism</b>	None	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-30.00	<b>Maximum working temperature (°C)</b>	70.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	3 V Lithium metal battery	<b>Battery shelf life (year)</b>	2 years
<b>Activated battery life</b>	2 months	<b>Alarm type</b>	Visual
<b>Memory size (Mb)</b>	0.0005120000	<b>Memory capacity (readings)</b>	7200.00
<b>Programmability</b>	User Programed	<b>User interface</b>	LCD
<b>Display medium</b>	LCD	<b>Recording medium</b>	Electronic
<b>Ingress protection rating IP</b>	IP 65		

### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	1.3E-6	<b>Weight per Package (Kg)</b>	0.0250
<b>Units per package</b>	20.00	<b>Weight per Unit (Kg)</b>	0.5700
<b>Minimum order</b>	20.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	(10-100 units): 23.99 \$	<b>Price 2</b>	>100 units: 21.99 \$
<b>Year of base price</b>	2017		

### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2008
<b>Specification Reference</b>	Applicable PQS specification: PQS/E006/TR05.1 Applicable PQS VP(s): E006/TR05-VP.1		



PRODUCT SITES

Organization name	TempSen Electronics Company
Address	Building 17, No.66 Guangfulin Rd.(E) 201613 Shanghai China

Current PQS status:	Prequalified	Valid until:	31 May 2026
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	TempTale® Ultra
<b>IMD-PQS Code:</b>	E006-046
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	10 Apr 2017
<b>Appliance type:</b>	E006
<b>Product description:</b>	User programmable temperature data logger
<b>Manufacturer:</b>	Sensitech Inc.
<b>Manufacturers Reference:</b>	TempTale® Ultra
<b>Country of Manufacture:</b>	China
<b>Address:</b>	A Business Unit of Carrier Corporation, Suite 258X, 800 Cummings Center. Beverly, MA 01915 United States United States of America
<b>Telephone:</b>	+1 978 - 927- 7033
<b>Email:</b>	<a href="mailto:mmarks@carrier.com">mmarks@carrier.com</a>
<b>Website address:</b>	<a href="http://www.sensitech.com">http://www.sensitech.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	0.00
<b>Maximum logging intervals (mins)</b>	120.00	<b>Sensor type(s)</b>	Digital Temperature sensor
<b>Maximum sensor lead length (metres)</b>	0.00	<b>Maximum number of sensor channels</b>	1.00
<b>External dimensions height (mm)</b>	12.50	<b>External dimensions length (mm)</b>	108.00
<b>External dimensions width (mm)</b>	50.00	<b>Activation mechanism</b>	Start button
<b>Material</b>	ABS	<b>Fixing mechanism</b>	Adhesive
<b>CE marking</b>	Yes	<b>Minimum working temperature (°C)</b>	-30.00
<b>Maximum working temperature (°C)</b>	70.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	3 V coin cell lithium battery	<b>Battery shelf life (year)</b>	1 year
<b>Activated battery life</b>	12 months	<b>Alarm type</b>	Visual
<b>Memory size (Mb)</b>	0.016000000	<b>Memory capacity (readings)</b>	16000.00
<b>Programmability</b>	User Programed	<b>User interface</b>	LCD
<b>Display medium</b>	LCD	<b>Recording medium</b>	Electronic
<b>Ingress protection rating IP</b>	IP64		

### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.0044	<b>Weight per Package (Kg)</b>	0.0510
<b>Units per package</b>	20.00	<b>Weight per Unit (Kg)</b>	1.0000
<b>Minimum order</b>	20.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	(20-100 units): \$ 40.00	<b>Price 2</b>	(101-500): \$38.00
<b>Price 3</b>	501 - 1000 units: \$36.00	<b>Year of base price</b>	2017

### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2008
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<b>Specification Reference</b>	Applicable PQS specification: PQS/E006/TR05.1 Applicable PQS VP(s): E006/TR05-VP.1
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**PRODUCT SITES**

<b>Organization name</b>	Sensitech Inc.
<b>Address</b>	A Business Unit of Carrier Corporation, Suite 258X, 800 Cummings Center. Beverly, MA 01915 United States United States of America

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<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	DeltaTrak Model 40527
<b>IMD-PQS Code:</b>	E006-047
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	12 Aug 2017
<b>Appliance type:</b>	E006
<b>Product description:</b>	User programmable temperature data logger
<b>Manufacturer:</b>	DeltaTrak Inc.
<b>Manufacturers Reference:</b>	DeltaTrak Model 40527
<b>Country of Manufacture:</b>	United States of America
<b>Address:</b>	1236 Doker Drive 95351 Modesto United States of America
<b>Telephone:</b>	+1 925 2492250
<b>Email:</b>	<a href="mailto:khadley@deltatruk.com">khadley@deltatruk.com</a>
<b>Website address:</b>	<a href="http://www.deltatruk.com/">http://www.deltatruk.com/</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	0.00
<b>Maximum logging intervals (mins)</b>	1080.00	<b>Sensor type(s)</b>	Thermistor in 5 ml PETG* Sterile Bottle
<b>Maximum sensor lead length (metres)</b>	3.00	<b>Maximum number of sensor channels</b>	1.00
<b>External dimensions height (mm)</b>	24.00	<b>External dimensions length (mm)</b>	40.00
<b>External dimensions width (mm)</b>	93.00	<b>Activation mechanism</b>	Stop and Start button.
<b>Material</b>	ABS Plastic	<b>Fixing mechanism</b>	None
<b>CE marking</b>	Yes	<b>Minimum working temperature (°C)</b>	-50.00
<b>Maximum working temperature (°C)</b>	40.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	Two AAA lithium batteries,	<b>Battery shelf life (year)</b>	2 years
<b>Activated battery life</b>	24 months	<b>Alarm type</b>	Aucostic
<b>Memory size (Mb)</b>	0.0000320000	<b>Memory capacity (readings)</b>	32496.00
<b>Programmability</b>	Other	<b>Programmability (Other)</b>	Factory and user programmable
<b>User interface</b>	LCD + PC downloadable	<b>Display medium</b>	LCD
<b>Recording medium</b>	Electronic	<b>Ingress protection rating IP</b>	IP64

**Comments**

The FlashLink® Certified Vaccine USB PDF Data Logger is compatible with WHO and CDC guidelines for monitoring temperature conditions inside storage units where vaccines and other temperature sensitive liquid medicines are kept. This reusable data logger features a large, easy-to-read LCD and an external probe sealed in a 5ml glycol bottle. The glycol prevents false alarms by buffering the probe against sudden and expected temperature fluctuations during normal use, such as frequent door openings and cycling of the refrigerator or freezer. The glycol also emulates temperature changes experienced by most common fluids in storage, to give more accurate readings. The logger attaches to the outside of the storage door, while the sensor bottle is placed inside, allowing users to read current and minimum/maximum temperatures without opening the unit. A red LED alarm and low battery indicator are visible on the display, and the logger also features an audible alarm when out-of-range conditions occur. All loggers come standard with a glycol bottle, and are pre-configured to user requirements with alarms set either for refrigerator or freezer monitoring. DeltaTrak's in-house calibration laboratory is ISO 17025 accredited, and can provide a 2-year ISO 17025 Certificate of Calibration for an additional charge of \$50 per freezer monitoring. A 2-year ISO 17025 Certificate of Calibration is available for each unit. DeltaTrak's in-house calibration laboratory is ISO 17025 accredited. unit. Accuracy: ( $\pm 0.5^{\circ}\text{C}$  from  $-50^{\circ}\text{C}$  to  $25^{\circ}\text{C}$ )

**PRICE AND SHIPPING**

<b>Shipping volume (m3)</b>	0.768	<b>Weight per Package (Kg)</b>	0.0907
<b>Units per package</b>	1.00	<b>Weight per Unit (Kg)</b>	0.0910
<b>Minimum order</b>	1.00	<b>Incoterms</b>	FOB
<b>Price 1</b>	pricing upon request	<b>Year of base price</b>	2017

**QUALITY STANDARD**

<b>Quality Standard</b>	ISO 17025;Other	<b>Quality standard (Other)</b>	ISO 9001:2008
<b>Specification Reference</b>	Applicable PQS specification: E006/TR05.1 Applicable PQS VP(s): E006/TR05.VP.1		

**PRODUCT SITES**

<b>Organization name</b>	DeltaTrak Inc.
<b>Address</b>	1236 Doker Drive 95351 Modesto United States of America

<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	Blulog
<b>IMD-PQS Code:</b>	E006-048
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	04 Sep 2018
<b>Appliance type:</b>	E006
<b>Product description:</b>	Remote Temperature Monitoring Device
<b>Manufacturer:</b>	Blulog Sp. z o.o
<b>Manufacturers Reference:</b>	Blulog
<b>Country of Manufacture:</b>	Poland
<b>Address:</b>	Konarzewska 4 60-101 Poznan Poland
<b>Telephone:</b>	+48606641176
<b>Email:</b>	<a href="mailto:robert.neumann@blulog.eu">robert.neumann@blulog.eu</a>
<b>Website address:</b>	<a href="http://blulog.eu/en/">http://blulog.eu/en/</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Maximum logging intervals (mins)</b>	120.00	<b>Sensor type(s)</b>	Digital Temperature sensor
<b>Maximum sensor lead length (metres)</b>	3.00	<b>Maximum number of sensor channels</b>	2.00
<b>External dimensions height (mm)</b>	5.00	<b>External dimensions length (mm)</b>	85.00
<b>External dimensions width (mm)</b>	55.00	<b>Activation mechanism</b>	Press buttons
<b>Material</b>	metal, plastic	<b>Fixing mechanism</b>	Adhesive
<b>CE marking</b>	Yes	<b>Minimum working temperature (°C)</b>	-40.00
<b>Maximum working temperature (°C)</b>	60.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	Lithium non-replaceable	<b>Battery shelf life (year)</b>	3 years
<b>Activated battery life</b>	3 years	<b>Alarm type</b>	Visual
<b>Memory size (Mb)</b>	0.0000080000	<b>Memory capacity (readings)</b>	5000.00
<b>Programmability</b>	Other	<b>Programmability (Other)</b>	temperature treshold, alert delay, start delay, measurement interval, alert sending
<b>User interface</b>	Web application, Adroid application, windows softw	<b>Display medium</b>	Lenovo Tablet
<b>Recording medium</b>	Electronic	<b>Ingress protection rating IP</b>	IP 67

### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.005	<b>Weight per Package (Kg)</b>	0.0300
<b>Units per package</b>	5.00	<b>Weight per Unit (Kg)</b>	1.7000
<b>Minimum order</b>	5.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	1-50 units: 210USD / Tablet + USB hub + holder	<b>Price 2</b>	50-500 units: 200USD / Tablet + USB hub + holder
<b>Price 3</b>	500 - 1000 units: 190USD / Tablet + USB hub + hold	<b>Year of base price</b>	2018

**QUALITY STANDARD**

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2008
<b>Specification Reference</b>	Applicable PQS specification: E006/TR03.2 Applicable PQS VP(s): E006/TR03-VP.2		

**VERIFICATION**

<b>Verification Laboratory</b>	CEMAFROID SAS	<b>Address</b>	5 Avenue des Pres CS 20029 F94 266 Fresnes Cedex FranceFrance
<b>Telephone</b>	+33 1 49 84 84 84	<b>Email</b>	gerald.cavalier@cemafroid.fr
<b>Verification Report Reference</b>	EN 12830		

**PRODUCT SITES**

<b>Organization name</b>	Blulog Sp. z o.o
<b>Address</b>	Konarzewska 4 60-101 Poznan Poland

<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	HEATmarker® VVM 30
<b>IMD-PQS Code:</b>	E006-050
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	24 Mar 2007
<b>Appliance type:</b>	E006
<b>Product description:</b>	Vaccine Vial Monitor Type 30
<b>Manufacturer:</b>	Temptime Corporation, A Zebra Technologies Company
<b>Manufacturers Reference:</b>	HEATmarker® VVM 30
<b>Address:</b>	116 American Road, Morris Plains, NJ, 07950, United States United States of America
<b>Telephone:</b>	+1 973 630 6000
<b>Email:</b>	<a href="mailto:rorie.doty@zebra.com">rorie.doty@zebra.com</a>
<b>Website address:</b>	<a href="http://www.zebra.com/tempmonitoring">www.zebra.com/tempmonitoring</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Chemical	<b>Activation mechanism</b>	Always active
<b>Fixing mechanism</b>	Adhesive	<b>CE marking</b>	Yes
<b>Time to endpoint at 37°C (days)</b>	30.00	<b>Time to endpoint at 25°C (days)</b>	193.00
<b>Time to endpoint at 5°C (days)</b>	1460.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Power source</b>	Passive device	<b>Battery type</b>	N/A
<b>Alarm type</b>	Visual	<b>Programmability</b>	Factory Programmed
<b>Display medium</b>	Color change	<b>Recording medium</b>	Not applicable

<b>Comments</b>	Full labels (typically white or clear liner) and dots (typically brown or clear liner) are made on lightweight litho/paper/film facestock offering exceptional printability and flexibility. The service temperature range for the adhesive is typically -40°F to 160°F, or wider. Liner (can either be PET or coated paper) is designed for high speed roll-to-roll and label dispensing applications. A clear film-based over-laminate is used for dots (brown liner) for added stability and protection. Custom solutions including a combination of approved litho/paper/film substrate and over-laminate (if applicable) are available upon request" Verification laboratory: Intertek UK, formerly WHO accredited
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### PRICE AND SHIPPING

<b>Incoterms</b>	EXW	<b>Year of base price</b>	2007
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### QUALITY STANDARD

<b>Quality Standard</b>	ISO 13485;Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: E006/IN.05.1 Applicable PQS VP(s): E006/IN.05 VP.1		

### PRODUCT SITES

<b>Organization name</b>	Temptime Corporation, A Zebra Technologies Company
<b>Address</b>	116 American Road, Morris Plains, NJ, 07950, United States United States of America

<b>Current PQS status:</b>	Prequalified	<b>Valid until:</b>	31 May 2026
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.





## E006: Temperature monitoring devices



<b>Product name:</b>	HEATmarker®VVM 7
<b>IMD-PQS Code:</b>	E006-051
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	10 Aug 2007
<b>Appliance type:</b>	E006
<b>Product description:</b>	Vaccine Vial Monitor Type 7
<b>Manufacturer:</b>	Temptime Corporation, A Zebra Technologies Company
<b>Manufacturers Reference:</b>	HEATmarker®VVM 7
<b>Country of Manufacture:</b>	United States of America
<b>Address:</b>	116 American Road, Morris Plains, NJ, 07950, United States of America
<b>Telephone:</b>	+1 973 630 6000
<b>Email:</b>	<a href="mailto:rorie.doty@zebra.com">rorie.doty@zebra.com</a>
<b>Website address:</b>	<a href="http://www.zebra.com/tempmonitoring">www.zebra.com/tempmonitoring</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Chemical	<b>Maximum sensor lead length (metres)</b>	0.00
<b>Maximum number of sensor channels</b>	0.00	<b>Activation mechanism</b>	Always active
<b>Fixing mechanism</b>	Adhesive	<b>CE marking</b>	Yes
<b>Time to endpoint at 37°C (days)</b>	7.00	<b>Time to endpoint at 25°C (days)</b>	45.00
<b>Time to endpoint at 5°C (days)</b>	730.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Power source</b>	Passive device	<b>Battery type</b>	N/A
<b>Alarm type</b>	NA	<b>User interface</b>	Device itself
<b>Display medium</b>	Color change	<b>Recording medium</b>	Not applicable

<b>Comments</b>	Full labels (typically white or clear liner) and dots (typically brown or clear liner) are made on lightweight litho/paper/film facestock offering exceptional printability and flexibility. The service temperature range for the adhesive is typically -40°F to 160°F, or wider. Liner (can either be PET or coated paper) is designed for high-speed roll-to-roll and label dispensing applications. A clear film-based over-laminate is used for dots (brown liner) for added stability and protection. Custom solutions including a combination of approved litho/paper/film substrate and over-laminate (if applicable) are available upon request" Accreditation laboratory: Lisaline Lifescience Technologies, WHO accreditation forthcoming
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### PRICE AND SHIPPING

<b>Incoterms</b>	EXW	<b>Year of base price</b>	2007
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### QUALITY STANDARD

<b>Quality Standard</b>	ISO 13485;Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: E006/IN.05.1 Applicable PQS VP(s): E006/IN.05 VP.1		

### VERIFICATION

<b>Verification Laboratory</b>	0013X00004MI8OIQAJ	<b>Verification Report Reference</b>	LLTPL/TL/2018-01/01
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### PRODUCT SITES

<b>Organization name</b>	Temptime Corporation, A Zebra Technologies Company
<b>Address</b>	116 American Road, Morris Plains, NJ, 07950, United States United States of America

<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	HEATmarker® VVM 11
<b>IMD-PQS Code:</b>	E006-052
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	19 Jun 2018
<b>Appliance type:</b>	E006
<b>Product description:</b>	Vaccine Vial Monitor Type 11
<b>Manufacturer:</b>	Temptime Corporation, A Zebra Technologies Company
<b>Manufacturers Reference:</b>	HEATmarker® VVM 11
<b>Country of Manufacture:</b>	United States of America
<b>Address:</b>	116 American Road, Morris Plains, NJ, 07950, United States of America
<b>Telephone:</b>	+1 973 630 6000
<b>Email:</b>	<a href="mailto:rorie.doty@zebra.com">rorie.doty@zebra.com</a>
<b>Website address:</b>	<a href="http://www.zebra.com/tempmonitoring">www.zebra.com/tempmonitoring</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Chemical	<b>Maximum sensor lead length (metres)</b>	0.00
<b>Maximum number of sensor channels</b>	0.00	<b>Activation mechanism</b>	Always active
<b>Fixing mechanism</b>	None	<b>CE marking</b>	Yes
<b>Time to endpoint at 37°C (days)</b>	11.00	<b>Time to endpoint at 25°C (days)</b>	71.00
<b>Time to endpoint at 5°C (days)</b>	730.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Power source</b>	Passive device	<b>Battery type</b>	N/A
<b>Alarm type</b>	NA	<b>Recording medium</b>	Not applicable

<b>Comments</b>	Full labels (typically white or clear liner) and dots (typically brown or clear liner) are made on lightweight litho/paper/film facestock offering exceptional printability and flexibility. The service temperature range for the adhesive is typically -40°F to 160°F, or wider. Liner (can either be PET or coated paper) is designed for high-speed roll-to-roll and label dispensing applications. A clear film-based over-laminate is used for dots (brown liner) for added stability and protection. Custom solutions including a combination of approved litho/paper/film substrate and over-laminate (if applicable) are available upon request
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### PRICE AND SHIPPING

<b>Incoterms</b>	EXW	<b>Price 1</b>	On request to manufacturer
<b>Year of base price</b>	2007		

### QUALITY STANDARD

<b>Quality Standard</b>	ISO 13485;Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: E006/IN.05.1 Applicable PQS VP(s): E006/IN.05 VP.1		

### VERIFICATION

<b>Verification Laboratory</b>	0013X00004MI8OIQAJ
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### PRODUCT SITES

<b>Organization name</b>	Temptime Corporation, A Zebra Technologies Company
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<b>Address</b>	116 American Road, Morris Plains, NJ, 07950, United States United States of America
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<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	HEATmarker@ VVM 14
<b>IMD-PQS Code:</b>	E006-054
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	15 Jun 2018
<b>Appliance type:</b>	E006
<b>Product description:</b>	Vaccine Vial Monitor Type 14
<b>Manufacturer:</b>	Temptime Corporation, A Zebra Technologies Company
<b>Manufacturers Reference:</b>	HEATmarker@ VVM 14
<b>Country of Manufacture:</b>	United States of America
<b>Address:</b>	116 American Road, Morris Plains, NJ, 07950, United States United States of America
<b>Telephone:</b>	+1 973 630 6000
<b>Email:</b>	<a href="mailto:rorie.doty@zebra.com">rorie.doty@zebra.com</a>
<b>Website address:</b>	<a href="http://www.zebra.com/tempmonitoring">www.zebra.com/tempmonitoring</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Chemical	<b>Maximum sensor lead length (metres)</b>	0.00
<b>Maximum number of sensor channels</b>	0.00	<b>Activation mechanism</b>	Always active
<b>Fixing mechanism</b>	Adhesive	<b>CE marking</b>	Yes
<b>Time to endpoint at 37°C (days)</b>	14.00	<b>Time to endpoint at 25°C (days)</b>	90.00
<b>Time to endpoint at 5°C (days)</b>	1095.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Power source</b>	Passive device	<b>Battery type</b>	N/A
<b>Alarm type</b>	NA	<b>User interface</b>	device itself
<b>Display medium</b>	Color change	<b>Recording medium</b>	Not applicable

<b>Comments</b>	Full labels (typically white of clear liner) and dots (typically brown or clear liner) are made on lightweight litho/paper/film facestock offering exceptional printability and flexibility. The service temperature range for the adhesive is typically -40°F to 160°F, or wider. Liner (can either be PET or coated paper) is designed for high-speed roll-to-roll and label dispensing applications. A clear film-based over-laminate is used for dots (brown liner) for added stability and protection. This laminate is not intended to print on. Custom solutions, including a combination of approved litho/paper/film substrate and overlamine (if applicable) are available upon request. Verification laboratory: Intertek UK, formerly WHO accredited.
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### PRICE AND SHIPPING

<b>Minimum order</b>	500000.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	On request to manufacturer	<b>Year of base price</b>	2007

### QUALITY STANDARD

<b>Quality Standard</b>	ISO 13485;Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: PQS/E006/IN05.3 Applicable PQS VP(s):		

### VERIFICATION

<b>Verification Report Reference</b>	A65115
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PRODUCT SITES

Organization name	Temptime Corporation, A Zebra Technologies Company
Address	116 American Road, Morris Plains, NJ, 07950, United States United States of America

Current PQS status:	Prequalified	Valid until:	31 May 2026
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



No image available

<b>Product name:</b>	LIMITmarker ® I-K
<b>IMD-PQS Code:</b>	E006-057
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	27 Mar 2019
<b>Appliance type:</b>	E006
<b>Product description:</b>	Threshold Indicator40
<b>Manufacturer:</b>	Temptime Corporation, A Zebra Technologies Company
<b>Manufacturers Reference:</b>	LIMITmarker ® I-K
<b>Country of Manufacture:</b>	United States of America
<b>Address:</b>	116 American Road, Morris Plains, NJ, 07950, United States of America
<b>Telephone:</b>	+1 973 630 6000
<b>Email:</b>	<a href="mailto:rorie.doty@zebra.com">rorie.doty@zebra.com</a>
<b>Website address:</b>	<a href="http://www.zebra.com/tempmonitoring">www.zebra.com/tempmonitoring</a>
<b>Valid until:</b>	31 May 2026

### Specifications

#### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Chemical	<b>Fixing mechanism</b>	None
<b>CE marking</b>	Yes		

#### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Alarm type</b>	NA	<b>Recording medium</b>	Not applicable
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<b>Comments</b>	* LIMITmarker I-K Threshold Indicator is a single-use self-adhesive indicator that contains an active surface that signals by an irreversible color change from light to dark when the threshold temperature has been exceeded. LIMITmarker I-K Indicator dots (typically on a clear liner) are made on film facestock. The service temperature range for the adhesive is typically -40°C to 93°C. Liner PET is designed for high speed roll-to-roll and label dispensing applications. Standard Label Size: 10.5 mm dot (circle) Indicators per Roll: 10,000 (standard)		
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#### PRICE AND SHIPPING

<b>Minimum order</b>	50000.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	On request to manufacturer	<b>Year of base price</b>	2019

#### QUALITY STANDARD

<b>Quality Standard</b>	ISO 13485;Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: PQS/E006/IN04.1 Applicable PQS VP(s): E006/IN04-VP.1		

#### VERIFICATION

<b>Verification Report Reference</b>	LLTPL/TL/2018-03
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#### PRODUCT SITES

<b>Organization name</b>	Temptime Corporation, A Zebra Technologies Company
<b>Address</b>	116 American Road, Morris Plains, NJ, 07950, United States of America

<b>Current PQS status:</b>	Prequalified	<b>Valid until:</b>	31 May 2026
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	HEATmarker® VVM 250
<b>IMD-PQS Code:</b>	E006-058
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	27 Mar 2019
<b>Appliance type:</b>	E006
<b>Product description:</b>	Vaccine Vial Monitor Type 250
<b>Manufacturer:</b>	Temptime Corporation, A Zebra Technologies Company
<b>Manufacturers Reference:</b>	HEATmarker® VVM 250
<b>Country of Manufacture:</b>	United States of America
<b>Address:</b>	116 American Road, Morris Plains, NJ, 07950, United States of America
<b>Telephone:</b>	+1 973 630 6000
<b>Email:</b>	<a href="mailto:rorie.doty@zebra.com">rorie.doty@zebra.com</a>
<b>Website address:</b>	<a href="http://www.zebra.com/tempmonitoring">www.zebra.com/tempmonitoring</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Chemical	<b>Fixing mechanism</b>	None
<b>CE marking</b>	Yes	<b>Time to endpoint at 37°C (days)</b>	250.00
<b>Time to endpoint at 25°C (days)</b>	900.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Power source</b>	Passive device	<b>Alarm type</b>	NA
<b>Display medium</b>	Color change	<b>Recording medium</b>	Not applicable

<b>Comments</b>	Title: Vaccine Vial Monitor Type 250 Dots (*on clear or brown liner) are made on film facestock. The service temperature range for the adhesive is typically -40°F to 200°F, or wider. Liner PET is designed for high speed roll-to-roll and label dispensing applications. Custom solutions including a combination of approved litho/paper/film substrate and over-laminate (if applicable) are available upon request. Note: - Time to endpoint at 25°C (days): > 900 days - Time to endpoint - VVM (Arrhenius) reaction rates determined at 55°C and 45°C; the values are approximate External dimensions (cm): 0		
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### PRICE AND SHIPPING

<b>Minimum order</b>	50000.00	<b>Incoterms</b>	EXW
<b>Year of base price</b>	2019		

### QUALITY STANDARD

<b>Quality Standard</b>	ISO 13485;Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: E006/IN05.3 Applicable PQS VP(s): E003/IN05-VP.3		

### VERIFICATION

<b>Verification Laboratory</b>	0013X00004MI8OIQAJ	<b>Verification Report Reference</b>	LLTPL/TL/2018-02
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### PRODUCT SITES

<b>Organization name</b>	Temptime Corporation, A Zebra Technologies Company
<b>Address</b>	116 American Road, Morris Plains, NJ, 07950, United States of America



**Current PQS status:**

*Prequalified*

**Valid until:**

*31 May 2026*

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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	HEATmarker® VVM+250
<b>IMD-PQS Code:</b>	E006-059
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	28 Mar 2019
<b>Appliance type:</b>	E006
<b>Product description:</b>	Combined VVM250 and Threshold Indicator40
<b>Manufacturer:</b>	Temptime Corporation, A Zebra Technologies Company
<b>Manufacturers Reference:</b>	HEATmarker® VVM+250
<b>Country of Manufacture:</b>	United States of America
<b>Address:</b>	116 American Road, Morris Plains, NJ, 07950, United States of America
<b>Telephone:</b>	+1 973 630 6000
<b>Email:</b>	<a href="mailto:rorie.doty@zebra.com">rorie.doty@zebra.com</a>
<b>Website address:</b>	<a href="http://www.zebra.com/tempmonitoring">www.zebra.com/tempmonitoring</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Chemical	<b>Fixing mechanism</b>	None
<b>CE marking</b>	Yes	<b>Time to endpoint at 37°C (days)</b>	250.00
<b>Time to endpoint at 25°C (days)</b>	900.00	<b>Time to endpoint at 5°C (days)</b>	10000.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Power source</b>	Passive device	<b>Alarm type</b>	NA
<b>Display medium</b>	Color change	<b>Recording medium</b>	Not applicable

<b>Comments</b>	The VVM+ Indicator is a single-use, self-adhesive combined indicator that contains an active surface that signals by an irreversible color change from light to dark when either the defined threshold temperature profile has been exceeded or the cumulative heat exposure have been exceeded. Dots (on a clear liner) are made on film facestock. The service temperature range for the adhesive is typically -40°F to 200°F, or wider. Liner PET is designed for high speed roll-to-roll and label dispensing applications. Standard Label Size: 10.5 mm dot (circle) Indicators per Roll: 10,000 (standard)
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### PRICE AND SHIPPING

<b>Minimum order</b>	50000.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	On request to manufacturer		

### QUALITY STANDARD

<b>Quality Standard</b>	ISO 13485;Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: PQS/E006/IN06.1 Applicable PQS VP(s): E006/IN06-VP.1		

### VERIFICATION

<b>Verification Laboratory</b>	0013X00004MI8OIQAJ	<b>Verification Report Reference</b>	LLTPL/TL/2018-02 LLTPL/TL/2018-03
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### PRODUCT SITES

<b>Organization name</b>	Temptime Corporation, A Zebra Technologies Company
<b>Address</b>	116 American Road, Morris Plains, NJ, 07950, United States of America

**Current PQS status:**

*Prequalified*

**Valid until:**

*31 May 2026*

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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	Haier U-Cool
<b>IMD-PQS Code:</b>	E006-060
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	07 Oct 2019
<b>Appliance type:</b>	E006
<b>Product description:</b>	Remote Temperature Monitoring Device
<b>Manufacturer:</b>	Qingdao Haier Biomedical Co., Ltd
<b>Manufacturers Reference:</b>	Haier U-Cool
<b>Address:</b>	No.280 Fengyuan Road High-tech Zone Qingdao Shandong China
<b>Telephone:</b>	+86-15066227057
<b>Email:</b>	<a href="mailto:tianhui.yu@haierbiomedical.com">tianhui.yu@haierbiomedical.com</a>
<b>Website address:</b>	<a href="http://www.haiermedical.com">http://www.haiermedical.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Maximum recording time (days)</b>	30.00	<b>Sensor type(s)</b>	NTC/PT100
<b>Maximum sensor lead length (metres)</b>	3.00	<b>Maximum number of sensor channels</b>	2.00
<b>External dimensions height (mm)</b>	22.00	<b>External dimensions length (mm)</b>	115.00
<b>External dimensions width (mm)</b>	72.00	<b>Activation mechanism</b>	Remotley online
<b>Material</b>	ABS PLASTIC	<b>Fixing mechanism</b>	Screws
<b>CE marking</b>	Yes	<b>Minimum working temperature (°C)</b>	-40.00
<b>Maximum working temperature (°C)</b>	65.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Replaceable battery
<b>Battery type</b>	Li-ion	<b>Battery shelf life (year)</b>	2 years
<b>Activated battery life</b>	36 months	<b>Alarm type</b>	Aucostic
<b>Memory capacity (readings)</b>	260000.00	<b>Programmability</b>	User Programed
<b>User interface</b>	LCD screen	<b>Display medium</b>	LCD
<b>Recording medium</b>	Not applicable	<b>Ingress protection rating IP</b>	IP66

<b>Comments</b>	"Haier U-COOL Remote Temperature Monitoring Device, providing on-time on-line temperature data monotoring, and the alarms can be received via audio, visial, SMS, WEB and e-mail. In case of no internet, 30 days temperature data can be store locally and can be downloaded to the computer. The device can transfer the data via GPRS and SIM card from local to the cloud. The price include the hardware and service charges(SIM card and portal service)."
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### PRICE AND SHIPPING

<b>Weight per Package (Kg)</b>	0.2000	<b>Year of base price</b>	2019
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### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2008
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Specification Reference	Applicable PQS specification: E006/TR03.2 Applicable PQS VP(s): E006/TR03-VP.2		
PRODUCT SITES			
Organization name	Qingdao Haier Biomedical Co., Ltd		
Address	No.280 Fengyuan Road High-tech Zone Qingdao Shandong China		
Current PQS status:	Prequalified	Valid until:	31 May 2026

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	VM1000
<b>IMD-PQS Code:</b>	E006-061
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	31 Jul 2019
<b>Appliance type:</b>	E006
<b>Product description:</b>	Remote Temperature Monitoring Device
<b>Manufacturer:</b>	My fridge online (IKHAYA Automation systems)
<b>Manufacturers Reference:</b>	VM1000
<b>Country of Manufacture:</b>	South Africa
<b>Address:</b>	I33 Torwood Drive Hayfields 3201 Pietermaritzburg South Africa
<b>Telephone:</b>	+27 0861 111 105
<b>Email:</b>	<a href="mailto:praba@myfridgeonline.com">praba@myfridgeonline.com</a>
<b>Website address:</b>	<a href="http://www.mfol.co.za">www.mfol.co.za</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Maximum logging intervals (mins)</b>	1440.00	<b>Maximum recording time (days)</b>	90.00
<b>Sensor type(s)</b>	digital	<b>Maximum sensor lead length (metres)</b>	80.00
<b>Maximum number of sensor channels</b>	4.00	<b>External dimensions height (mm)</b>	50.00
<b>External dimensions length (mm)</b>	135.00	<b>External dimensions width (mm)</b>	100.00
<b>Activation mechanism</b>	Factory or user	<b>Material</b>	ABS PLASTIC
<b>Fixing mechanism</b>	None	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-30.00	<b>Maximum working temperature (°C)</b>	55.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Mains+Battery
<b>Battery type</b>	Li-ion	<b>Battery shelf life (year)</b>	3 YEARS
<b>Activated battery life</b>	36 months	<b>Alarm type</b>	NA
<b>Memory capacity (readings)</b>	14000.00	<b>Programmability</b>	Other
<b>Programmability (Other)</b>	Factory or online configurable	<b>User interface</b>	Web based + LCD
<b>Display medium</b>	LCD or any internet enabled device	<b>Recording medium</b>	Not applicable
<b>Ingress protection rating IP</b>	IP54		

**Comments**

Ikhaya Automation Systems provides a plug and play Remote Temperature Monitoring Solution (RTMS) which is used to monitor Fridges, Freezers, Cold Chain Logistics, Incubators, Cryo's and any other temperature sensitive environment. A RTMS kit comes standard with: 1 x VM 1000 (RTMS) 1 x Digital Temperature Probe 1 x Internal Temperature and Humidity Sensor 1 x GPS location monitoring 2 x Internal Lithium Ion Batteries 1 x 2 Pin universal power adaptor 1 x Door Sensor 2 x Velcro Strips We offer flexibility such as: 1. We could provide a universal sim card that suits your specific requirements or you could provide your own local sim card. 2. Interactive Display - past and present alarms can be viewed by interactive LCD display or web platform 3. The standard VM1000 can accept 4 digital probes while the radio version VM1000R can accept 4 wired and 4 wireless probes 4. The wireless probes can do Temperature and Humidity, Pulse counting or take in a 4-20mA input The RTMS can be configured into 2 states: Option 1 Local SMS capable standalone data logger which can download the data via USB using an intelligent user friendly PC application and alert multiple users in the event of an excursion. An SD Card will be supplied with the unit at an extra cost and the PC application will be provided free of charge to be utilize of any windows computer. No yearly fee is required for this option. Option 2 Real-time monitoring system with interactive web service consisting of Dashboard, Reports, Alerts and Graphs, remote viewing of current status. Alerts can be set up on all variables being monitored by the VM1000; to mention a few Temperature, Humidity, Door Status, Power Failure and etc. These alerts can be customized by device and variable name together with thresholds and specific duration periods. The alerts are Audible, SMS, Email or a combination of each/all. SMS's alerts are generated from the device itself which eliminates the use of any 3rd party sms providers. Our dashboard is color coded depicting the status of the variable being measured while our graphing service allows you to Zoom, pan, print or save. Automated reports are generated daily, weekly, monthly or over a customized period using our playback option. This includes: 1. Detailed summary of variables with a graph 2. Logs for the pre-defined period 3. Exceptions for variables that have exceeded their threshold 4. Alarm history for alerts that have been dispatched to it recipients Pricing Standard RTMS kit for a quantity of 1-49 units = \$250 at an annual service fee of \$240 using our international sim card or \$156 your own sim card

**PRICE AND SHIPPING**

<b>Shipping volume (m3)</b>	0.003	<b>Weight per Package (Kg)</b>	0.4500
<b>Units per package</b>	1.00	<b>Weight per Unit (Kg)</b>	0.7000
<b>Minimum order</b>	1.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	\$250: 1 -49 units	<b>Price 2</b>	\$225: 50 - 99 units
<b>Price 3</b>	\$202: >100 units	<b>Year of base price</b>	2019

**QUALITY STANDARD**

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: PQS/E006/TR03.2 Applicable PQS VP(s): E006/TR03-VP.2		

**PRODUCT SITES**

<b>Organization name</b>	My fridge online (IKHAYA Automation systems)
<b>Address</b>	33 Torwood Drive Hayfields 3201 Pietermaritzburg South Africa

<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	Endicate Freeze
<b>IMD-PQS Code:</b>	E006-062
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	30 Sep 2019
<b>Appliance type:</b>	E006
<b>Product description:</b>	Electronic Freeze Indicator
<b>Manufacturer:</b>	American Thermal Instruments
<b>Manufacturers Reference:</b>	Endicate Freeze
<b>Country of Manufacture:</b>	Switzerland
<b>Address:</b>	2400 E River Road, Dayton, OH 45439 United States of America
<b>Telephone:</b>	+1 937 429 2114
<b>Email:</b>	<a href="mailto:orders@americanthermal.com">orders@americanthermal.com</a>
<b>Website address:</b>	<a href="http://www.americanthermal.com">www.americanthermal.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Chemical	<b>Minimum logging intervals (mins)</b>	1.00
<b>External dimensions height (mm)</b>	8.00	<b>External dimensions length (mm)</b>	45.00
<b>External dimensions width (mm)</b>	45.00	<b>Fixing mechanism</b>	None
<b>CE marking</b>	Yes	<b>Minimum working temperature (°C)</b>	-20.00
<b>Maximum working temperature (°C)</b>	70.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Passive device
<b>Battery type</b>	CR2025	<b>Battery shelf life (year)</b>	2 years
<b>Activated battery life</b>	2 months	<b>Alarm type</b>	Visual
<b>Programmability</b>	Factory Programmed	<b>User interface</b>	LCD
<b>Display medium</b>	LCD	<b>Recording medium</b>	Not applicable
<b>Ingress protection rating IP</b>	IP64		

<b>Comments</b>	Typr freezer device -0.5°C for 1 hour
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### PRICE AND SHIPPING

<b>Weight per Package (Kg)</b>	0.0150	<b>Minimum order</b>	10.00
<b>Price 1</b>	EUR 20	<b>Year of base price</b>	2024

### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: Applicable PQS VP(s):		

### PRODUCT SITES

<b>Organization name</b>	American Thermal Instruments
<b>Address</b>	2400 E River Road, Dayton, OH 45439 United States of America

<b>Current PQS status:</b>	Prequalified	<b>Valid until:</b>	31 May 2026
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	Endicate Type 1
<b>IMD-PQS Code:</b>	E006-063
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	30 Sep 2019
<b>Appliance type:</b>	E006
<b>Product description:</b>	Electronic Shipping Indicator Type 1
<b>Manufacturer:</b>	American Thermal Instruments
<b>Manufacturers Reference:</b>	Endicate Type 1
<b>Country of Manufacture:</b>	Switzerland
<b>Address:</b>	2400 E River Road, Dayton, OH 45439 United States of America
<b>Telephone:</b>	+1 937 429 2114
<b>Email:</b>	<a href="mailto:orders@americanthermal.com">orders@americanthermal.com</a>
<b>Website address:</b>	<a href="http://www.americanthermal.com">www.americanthermal.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>External dimensions height (mm)</b>	8.00	<b>External dimensions length (mm)</b>	45.00
<b>External dimensions width (mm)</b>	45.00	<b>Material</b>	Plastic
<b>Fixing mechanism</b>	None	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-20.00	<b>Maximum working temperature (°C)</b>	70.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Passive device
<b>Battery type</b>	CR2025	<b>Battery shelf life (year)</b>	2 years
<b>Activated battery life</b>	2 months	<b>Alarm type</b>	Visual
<b>User interface</b>	LCD	<b>Display medium</b>	LCD
<b>Recording medium</b>	Not applicable	<b>Ingress protection rating IP</b>	64

<b>Comments</b>	TYPE 1 DEVICE: >45°C FOR 1 HOUR >30°C FOR 10 HOURS
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### PRICE AND SHIPPING

<b>Weight per Package (Kg)</b>	0.0150	<b>Minimum order</b>	10.00
<b>Price 1</b>	20 \$USD	<b>Year of base price</b>	2024

### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: Applicable PQS VP(s):		

### PRODUCT SITES

<b>Organization name</b>	American Thermal Instruments
<b>Address</b>	2400 E River Road, Dayton, OH 45439 United States of America

<b>Current PQS status:</b>	Prequalified	<b>Valid until:</b>	31 May 2026
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	Endicate Type 2
<b>IMD-PQS Code:</b>	E006-064
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	30 Sep 2019
<b>Appliance type:</b>	E006
<b>Product description:</b>	Electronic Shipping Indicator Type 2
<b>Manufacturer:</b>	American Thermal Instruments
<b>Manufacturers Reference:</b>	Endicate Type 2
<b>Address:</b>	2400 E River Road, Dayton, OH 45439 United States of America
<b>Telephone:</b>	+1 937 429 2114
<b>Email:</b>	<a href="mailto:orders@americanthermal.com">orders@americanthermal.com</a>
<b>Website address:</b>	<a href="http://www.americanthermal.com">www.americanthermal.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Sensor type(s)</b>	Thermistor	<b>Maximum sensor lead length (metres)</b>	0.00
<b>Maximum number of sensor channels</b>	1.00	<b>External dimensions height (mm)</b>	8.00
<b>External dimensions length (mm)</b>	44.00	<b>External dimensions width (mm)</b>	44.00
<b>Activation mechanism</b>	button	<b>Material</b>	Plastic
<b>Fixing mechanism</b>	None	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-20.00	<b>Maximum working temperature (°C)</b>	70.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Passive device
<b>Battery type</b>	CR 2025	<b>Battery shelf life (year)</b>	2 years
<b>Activated battery life</b>	2 months	<b>Alarm type</b>	Visual
<b>User interface</b>	LCD screen	<b>Display medium</b>	LCD
<b>Recording medium</b>	Not applicable	<b>Ingress protection rating IP</b>	64

<b>Comments</b>	Type 2 device > 45°C for 1 hour, > 30°C for 10 hours, >10°C for 20 hours
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### PRICE AND SHIPPING

<b>Weight per Package (Kg)</b>	0.0150	<b>Price 1</b>	20 \$USD
<b>Year of base price</b>	2024		

### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: Applicable PQS VP(s):		

### PRODUCT SITES

<b>Organization name</b>	American Thermal Instruments
<b>Address</b>	2400 E River Road, Dayton, OH 45439 United States of America

<b>Current PQS status:</b>	Prequalified	<b>Valid until:</b>	31 May 2026
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	BT360
<b>IMD-PQS Code:</b>	E006-065
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	30 Sep 2019
<b>Appliance type:</b>	E006
<b>Product description:</b>	User Programmable data logger
<b>Manufacturer:</b>	American Thermal Instruments
<b>Manufacturers Reference:</b>	BT360
<b>Country of Manufacture:</b>	United States of America
<b>Address:</b>	2400 E River Road, Dayton, OH 45439 United States of America
<b>Telephone:</b>	+1 937 429 2114
<b>Email:</b>	<a href="mailto:orders@americanthermal.com">orders@americanthermal.com</a>
<b>Website address:</b>	<a href="http://www.americanthermal.com">www.americanthermal.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Sensor type(s)</b>	digital	<b>External dimensions height (mm)</b>	25.00
<b>External dimensions length (mm)</b>	49.00	<b>External dimensions width (mm)</b>	70.00
<b>Material</b>	PLASTIC	<b>Fixing mechanism</b>	None
<b>CE marking</b>	Yes	<b>Minimum working temperature (°C)</b>	-20.00
<b>Maximum working temperature (°C)</b>	70.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	LITHIUM COIN CELL	<b>Battery shelf life (year)</b>	1 YEARS
<b>Activated battery life</b>	UPTO 1 YEAR	<b>Alarm type</b>	Visual
<b>Memory size (Mb)</b>	0.0320000000	<b>Programmability</b>	Other
<b>Programmability (Other)</b>	Manufacturer OR User	<b>User interface</b>	LCD
<b>Display medium</b>	LCD	<b>Recording medium</b>	Electronic
<b>Ingress protection rating IP</b>	IP67		

<b>Comments</b>	Memory size: 32,000 Shipping volume per package (m3): 50 CM3 External dimensions (cm): 49 x 70 x 25 mm
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	50.0	<b>Units per package</b>	10.00
<b>Weight per Unit (Kg)</b>	29.0000	<b>Minimum order</b>	10.00
<b>Price 1</b>	125 \$USD	<b>Year of base price</b>	2024

### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: Applicable PQS VP(s):		

### PRODUCT SITES

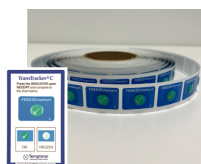
<b>Organization name</b>	American Thermal Instruments
<b>Address</b>	2400 E River Road, Dayton, OH 45439 United States of America

<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	<b>FREEZEmarker® L</b>
<b>IMD-PQS Code:</b>	E006-067
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	08 May 2020
<b>Appliance type:</b>	E006
<b>Product description:</b>	Chemical Freeze Indicator
<b>Manufacturer:</b>	Temptime Corporation, A Zebra Technologies Company
<b>Manufacturers Reference:</b>	FREEZEmarker® L
<b>Country of Manufacture:</b>	United States of America
<b>Address:</b>	116 American Road, Morris Plains, NJ, 07950, United States of America
<b>Telephone:</b>	+1 973 630 6000
<b>Email:</b>	<a href="mailto:rorie.doty@zebra.com">rorie.doty@zebra.com</a>
<b>Website address:</b>	<a href="http://www.zebra.com/tempmonitoring">www.zebra.com/tempmonitoring</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Chemical	<b>External dimensions height (mm)</b>	20.00
<b>External dimensions width (mm)</b>	29.00	<b>Fixing mechanism</b>	Adhesive
<b>CE marking</b>	Yes		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Power source</b>	Passive device	<b>Alarm type</b>	NA
<b>Display medium</b>	Color Change Indicator	<b>Recording medium</b>	Not applicable

<b>Comments</b>	<p>The FREEZEmarker® Indicator is designed as a single-use self-adhesive indicator that provides an easy-to-read visual signal when there has been exposure to a freeze event. They can be ordered on rolls for label dispensing applications, or on a backing card. The TransTracker® backing card is an example of a single-use unit for monitoring temperature during transportation or short-term storage. The visible surface of the freeze indicator contains an area of color-changing liquid encapsulated in a blister. The FREEZEmarker varies in appearance: Before a Freeze Event, it is a clear liquid covering a green circle with a white checkmark inside the circle; at the Endpoint after a Freeze Event, the liquid will partially or completely change to appear white opaque/cloudy inside the blister. If uncertain whether the Endpoint has been reached, press the Active Zone with your fingertips to evenly distribute the white particles. The surface to which the FREEZEmarker will be applied (carton, card, glass, etc.) must be above 2°C (35.6°F). Standard backing cards with an indicator applied are 86 mm x 54 mm and provided in boxes of 200. Specification: -0.5°C ± 1°C, 60 minutes (maximum) Minimum order: 1 roll Indicators per Roll: 1,000 (standard)</p>		
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### PRICE AND SHIPPING

<b>Minimum order</b>	1.00	<b>Price 1</b>	On request to manufacturer
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### QUALITY STANDARD

<b>Quality Standard</b>	ISO 13485;Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: PQS/E006/IN07.1 Applicable PQS VP(s):		

### VERIFICATION

<b>Verification Laboratory</b>	0013X00004MI8OIQAJ	<b>Verification Report Reference</b>	LLTPL/TL/2019-02
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### PRODUCT SITES

<b>Organization name</b>	Temptime Corporation, A Zebra Technologies Company
<b>Address</b>	116 American Road, Morris Plains, NJ, 07950, United States United States of America

<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.





## E006: Temperature monitoring devices



<b>Product name:</b>	<b>Trek Pro</b>
<b>IMD-PQS Code:</b>	E006-069
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	28 Sep 2020
<b>Appliance type:</b>	E006
<b>Product description:</b>	User Programable data logger
<b>Manufacturer:</b>	e-Health Africa (eHA - formerly Parsyl Inc.)
<b>Manufacturers Reference:</b>	Trek Pro
<b>Country of Manufacture:</b>	China
<b>Address:</b>	4-6 Independence Road Kano Kano Nigeria
<b>Telephone:</b>	+66 2420-2888
<b>Email:</b>	<a href="mailto:ssawadogo@parsyl.com">ssawadogo@parsyl.com</a>
<b>Website address:</b>	<a href="https://forth-ems.com">https://forth-ems.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	0.00
<b>Maximum logging intervals (mins)</b>	360.00	<b>Maximum recording time (days)</b>	1095.00
<b>Sensor type(s)</b>	Internal sensor	<b>Maximum sensor lead length (metres)</b>	0.00
<b>Maximum number of sensor channels</b>	0.00	<b>External dimensions height (mm)</b>	99.80
<b>External dimensions length (mm)</b>	201.00	<b>External dimensions width (mm)</b>	38.10
<b>Activation mechanism</b>	Physical switch, software	<b>Material</b>	Polycarbonate + ABS
<b>Fixing mechanism</b>	Screws	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-40.00	<b>Maximum working temperature (°C)</b>	70.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.10	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	3V LiFeS2	<b>Battery shelf life (year)</b>	10 years
<b>Activated battery life</b>	36 months	<b>Alarm type</b>	Aucostic
<b>Memory capacity (readings)</b>	500000.00	<b>Programmability</b>	User Programed
<b>User interface</b>	Switch, button, LEDs, audible alarms, mobile app	<b>Display medium</b>	LEDs
<b>Recording medium</b>	Electronic	<b>Ingress protection rating IP</b>	IP67

<b>Comments</b>	Maximum recording time (days): 1095 (10 minute intervals)
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.02	<b>Weight per Package (Kg)</b>	0.0650
<b>Units per package</b>	80.00	<b>Weight per Unit (Kg)</b>	5.2000
<b>Minimum order</b>	80.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	pricing upon request	<b>Year of base price</b>	2020

### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
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<b>Specification Reference</b>	Applicable PQS specification: PQS/E006/TR05.1 Applicable PQS VP(s): E006/TR05.1
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**PRODUCT SITES**

<b>Organization name</b>	e-Health Africa (eHA - formerly Parsyl Inc.)
<b>Address</b>	4-6 Independence Road Kano Kano Nigeria

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<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	USRID-16WC and USRID-16WA/B
<b>IMD-PQS Code:</b>	E006-070
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	10 Jan 2020
<b>Appliance type:</b>	E006
<b>Product description:</b>	40 day Electronic Shipping Indicator
<b>Manufacturer:</b>	LogTag North America Inc.
<b>Manufacturers Reference:</b>	USRID-16WC and USRID-16WA/B
<b>Country of Manufacture:</b>	Vietnam
<b>Address:</b>	TongFuYu Industrial Zone, Block NO.8, Jinghong Road, Shajing Town, Baoan 518117 ShenZhen, GuangDong China
<b>Telephone:</b>	+64 9 448 2311
<b>Email:</b>	<a href="mailto:sales@logtagrecorders.com">sales@logtagrecorders.com</a>
<b>Website address:</b>	<a href="http://www.logtagrecorders.com">www.logtagrecorders.com</a>
<b>Valid until:</b>	31 May 2025

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	5.00
<b>Maximum logging intervals (mins)</b>	5.00	<b>Maximum recording time (days)</b>	40.00
<b>Sensor type(s)</b>	Thermistor	<b>Maximum sensor lead length (metres)</b>	0.00
<b>Maximum number of sensor channels</b>	1.00	<b>External dimensions height (mm)</b>	8.60
<b>External dimensions length (mm)</b>	93.00	<b>External dimensions width (mm)</b>	54.50
<b>Activation mechanism</b>	button	<b>Material</b>	Polycarbonate with Lexan label
<b>Fixing mechanism</b>	Adhesive	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-30.00	<b>Maximum working temperature (°C)</b>	70.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Power source</b>	Non-replaceable battery	<b>Battery type</b>	3V LiMnO2 Button cell
<b>Battery shelf life (year)</b>	18 Months	<b>Activated battery life</b>	7 months
<b>Alarm type</b>	Visual	<b>Memory capacity (readings)</b>	5760.00
<b>Programmability</b>	Factory Programmed	<b>User interface</b>	LCD screen
<b>Display medium</b>	LCD	<b>Recording medium</b>	Electronic
<b>Ingress protection rating IP</b>	IP64		

<b>Comments</b>	"The LogTag USRID-16W is an irreversible electronic temperature indicator and recorder for use in monitoring temperature in pharmaceutical transport applications of up to 40 days duration. Each model is factory pre-configured for a range of standard vaccines and provides a clear indication of the shipment's temperature alarm status at all times via the built-in display. The indicator can be started and stopped via push button, and alarms can be reviewed once the trip has been completed. A configurable PDF report with a trip and alarm summary, a chart and a data listing is available when plugged into any PC with a USB port and PDF reader software. Data can also be downloaded to LogTag Analyzer software for detailed analysis if required." Accuracy: Better than $\pm 0.5$ °C for -20 °C to +40 °C, better than $\pm 0.7$ °C outside this range
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.006	<b>Weight per Package (Kg)</b>	0.0390
<b>Units per package</b>	50.00	<b>Weight per Unit (Kg)</b>	2.3000

Minimum order	20.00	Incoterms	FOB
Price 1	\$27.50 US for 20 - 99 pieces	Year of base price	2020
QUALITY STANDARD			
Quality Standard	Other	Quality standard (Other)	ISO 9001:2015
Specification Reference	Applicable PQS specification: PQS/E006/TR07.3 Applicable PQS VP(s):		
VERIFICATION			
Verification Laboratory	TUV SUD PSB Pte Ltd	Address	15 International Business Park TÜV SÜD @ IBP Singapore 609937Singapore
Telephone	+6569736355	Email	xin-pei.kee@tuvsud.com
PRODUCT SITES			
Organization name	LogTag North America Inc.		
Address	TongFuYu Industrial Zone, Block NO.8, Jinghong Road, Shajing Town, Baoan 518117 ShenZhen, GuangDong China		
Current PQS status:	Prequalified	Valid until:	31 May 2025

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	HEATmarker® VVM1
<b>IMD-PQS Code:</b>	E006-071
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	01 Nov 2021
<b>Appliance type:</b>	E006
<b>Product description:</b>	Vaccine Vial Monitor Type 1
<b>Manufacturer:</b>	Temptime Corporation, A Zebra Technologies Company
<b>Manufacturers Reference:</b>	HEATmarker® VVM1
<b>Country of Manufacture:</b>	United States of America
<b>Address:</b>	116 American Road, Morris Plains, NJ, 07950, United States of America
<b>Telephone:</b>	+1 973 630 6000
<b>Email:</b>	<a href="mailto:rorie.doty@zebra.com">rorie.doty@zebra.com</a>
<b>Website address:</b>	<a href="http://www.zebra.com/tempmonitoring">www.zebra.com/tempmonitoring</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Chemical	<b>Activation mechanism</b>	Always active
<b>Fixing mechanism</b>	Adhesive	<b>CE marking</b>	Yes
<b>Time to endpoint at 37°C (days)</b>	1.00	<b>Time to endpoint at 5°C (days)</b>	100.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Power source</b>	Passive device	<b>Alarm type</b>	NA
<b>Memory size (Mb)</b>	32.0000000000	<b>Display medium</b>	Color change
<b>Recording medium</b>	Not applicable		

<b>Comments</b>	Full labels (typically white or clear liner) and dots (typically brown or clear liner) are made on lightweight litho/paper/film facestock offering exceptional printability and flexibility. The service temperature range for the adhesive is typically -40°F to 160°F, or wider. Liner (can either be PET or coated paper) is designed for label dispensing applications. A clear film-based over-laminate is used for dots (brown liner) for added stability and protection. Custom solutions including a combination of approved litho/paper/film substrate and over-laminate (if applicable) are available upon request
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### PRICE AND SHIPPING

<b>Minimum order</b>	500000.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	On request to manufacturer	<b>Year of base price</b>	2021

### QUALITY STANDARD

<b>Quality Standard</b>	ISO 13485;Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: E006/IN05.4 Applicable PQS VP(s): E006/IN05-VP.4		

### VERIFICATION

<b>Verification Laboratory</b>	0013X00004MI8OIQAJ	<b>Verification Report Reference</b>	LLTPL/2021/06-01
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### PRODUCT SITES

<b>Organization name</b>	Temptime Corporation, A Zebra Technologies Company
<b>Address</b>	116 American Road, Morris Plains, NJ, 07950, United States of America

**Current PQS status:**

*Prequalified*

**Valid until:**

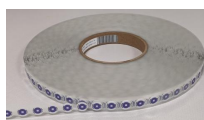
*31 May 2026*

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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	HEATmarker® VVM+30
<b>IMD-PQS Code:</b>	E006-072
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	15 Jan 2021
<b>Appliance type:</b>	E006
<b>Product description:</b>	Combined VVM30 & Threshold Indicator40
<b>Manufacturer:</b>	Temptime Corporation, A Zebra Technologies Company
<b>Manufacturers Reference:</b>	HEATmarker® VVM+30
<b>Country of Manufacture:</b>	United States of America
<b>Address:</b>	116 American Road, Morris Plains, NJ, 07950, United States of America
<b>Telephone:</b>	+1 973 630 6000
<b>Email:</b>	<a href="mailto:rorie.doty@zebra.com">rorie.doty@zebra.com</a>
<b>Website address:</b>	<a href="http://www.zebra.com/tempmonitoring">www.zebra.com/tempmonitoring</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Chemical	<b>Fixing mechanism</b>	Adhesive
<b>CE marking</b>	Yes	<b>Time to endpoint at 37°C (days)</b>	30.00
<b>Time to endpoint at 25°C (days)</b>	193.00	<b>Time to endpoint at 5°C (days)</b>	1460.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Power source</b>	Passive device	<b>Alarm type</b>	NA
<b>Memory size (Mb)</b>	16.1290000000	<b>Display medium</b>	Color change
<b>Recording medium</b>	Not applicable		

<b>Comments</b>	The VVM+ Indicator is a single-use, self-adhesive combined indicator that contains an active surface that signals by an irreversible color change from light to dark when either the defined threshold temperature profile has been exceeded or the cumulative heat exposure has been exceeded. Dots (on a clear liner) are made on film facestock. The service temperature range for the adhesive is typically -40°F to 200°F, or wider. Liner PET is designed for high speed roll-to-roll and label dispensing applications.
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### PRICE AND SHIPPING

<b>Minimum order</b>	50000.00	<b>Incoterms</b>	EXW
<b>Year of base price</b>	2021		

### QUALITY STANDARD

<b>Quality Standard</b>	ISO 13485;Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: E006/IN06.1 Applicable PQS VP(s): E006/IN06 -VP.1		

### VERIFICATION

<b>Verification Laboratory</b>	0013X00004MI8OIQAJ
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### PRODUCT SITES

<b>Organization name</b>	Temptime Corporation, A Zebra Technologies Company
<b>Address</b>	116 American Road, Morris Plains, NJ, 07950, United States of America

**Current PQS status:**

*Prequalified*

**Valid until:**

*31 May 2026*

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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.





## E006: Temperature monitoring devices



<b>Product name:</b>	<b>NT TEMPERATURE DATA LOGGER</b>
<b>IMD-PQS Code:</b>	E006-074
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	02 Aug 2021
<b>Appliance type:</b>	E006
<b>Product description:</b>	USER PROGRAMMABLE DATA LOGGER
<b>Manufacturer:</b>	BPRO LABS PVT LTD
<b>Manufacturers Reference:</b>	NT TEMPERATURE DATA LOGGER
<b>Country of Manufacture:</b>	India
<b>Address:</b>	A1 Deju Plaza , No. 2 South Avenue, Srinagar Colony, Saidapet, Chennai TN-600 015, INDIA India
<b>Telephone:</b>	(+91) 44 79697741
<b>Email:</b>	<a href="mailto:prasath@bprolabs.com">prasath@bprolabs.com</a>
<b>Website address:</b>	<a href="http://www.bprolabs.com">www.bprolabs.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Maximum logging intervals (mins)</b>	1440.00	<b>Maximum recording time (days)</b>	365.00
<b>Sensor type(s)</b>	ntc temperature sensor	<b>Maximum number of sensor channels</b>	1.00
<b>External dimensions height (mm)</b>	23.00	<b>External dimensions length (mm)</b>	97.00
<b>External dimensions width (mm)</b>	49.00	<b>Activation mechanism</b>	manual
<b>Material</b>	ABS	<b>Fixing mechanism</b>	Screws
<b>CE marking</b>	Yes	<b>Minimum working temperature (°C)</b>	-30.00
<b>Maximum working temperature (°C)</b>	70.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Power source</b>	Other	<b>Power Source (Other)</b>	3.6V DC user replaceable Battery
<b>Battery type</b>	Li-SOCl <sub>2</sub> Lithium	<b>Battery shelf life (year)</b>	2 years
<b>Activated battery life</b>	12-15 months	<b>Alarm type</b>	Visual
<b>Memory capacity (readings)</b>	32000.00	<b>Programmability</b>	User Programed
<b>User interface</b>	LCD DISPLAY	<b>Display medium</b>	LCD Display
<b>Recording medium</b>	Electronic	<b>Ingress protection rating IP</b>	IP54
<b>Comments</b>	User Replacable Battery, Shadow Logging Feature, Alarm Log Report etc. Accuracy: +/-0.5°C (-30°C to +50°C) and +/-1.0°C(+50°C - 70°C)		

### PRICE AND SHIPPING

<b>Weight per Package (Kg)</b>	0.0750	<b>Minimum order</b>	1.00
<b>Incoterms</b>	EXW	<b>Price 1</b>	\$17 for MOQ of 100 Nos
<b>Year of base price</b>	2021		

### QUALITY STANDARD

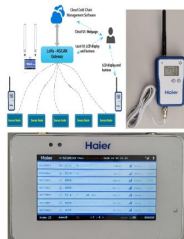
<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
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Specification Reference	Applicable PQS specification: Applicable PQS VP(s):		
VERIFICATION			
Verification Laboratory	Techbio Solutions	Address	Module 18, 1st Floor, SIDCO Industrial Complex, SIDCO Industrial Estate, Thirumazhisai, Chennai, Tamilnadu – 600124 INDIAIndia
Telephone	+914426811025	Email	vikram@techbiosol.com
PRODUCT SITES			
Organization name	BPRO LABS PVT LTD		
Address	A1 Deju Plaza , No. 2 South Avenue, Srinagar Colony, Saidapet, Chennai TN-600 015, INDIA India		
Current PQS status:	Prequalified	Valid until:	31 May 2026

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	U-COOL-LORA
<b>IMD-PQS Code:</b>	E006-075
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	02 Aug 2021
<b>Appliance type:</b>	E006
<b>Product description:</b>	Remote Temperature Monitoring Device
<b>Manufacturer:</b>	Qingdao Haier Biomedical Co., Ltd
<b>Manufacturers Reference:</b>	U-COOL-LORA
<b>Country of Manufacture:</b>	China
<b>Address:</b>	No.280 Fengyuan Road High-tech Zone Qingdao Shandong China
<b>Telephone:</b>	+86-15066227057
<b>Email:</b>	<a href="mailto:tianhui.yu@haierbiomedical.com">tianhui.yu@haierbiomedical.com</a>
<b>Website address:</b>	<a href="http://www.haiermedical.com">http://www.haiermedical.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Maximum logging intervals (mins)</b>	1440.00	<b>Maximum recording time (days)</b>	30.00
<b>Sensor type(s)</b>	temperature probe; Door On-off; Power Outage	<b>Maximum number of sensor channels</b>	1.00
<b>External dimensions height (mm)</b>	33.00	<b>External dimensions length (mm)</b>	160.00
<b>External dimensions width (mm)</b>	100.00	<b>Activation mechanism</b>	manual
<b>Material</b>	Gateway: Aluminium frame; Logger: ABS	<b>Fixing mechanism</b>	Adhesive
<b>CE marking</b>	Yes	<b>Minimum working temperature (°C)</b>	-40.00
<b>Maximum working temperature (°C)</b>	80.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Mains+Battery
<b>Battery type</b>	Lithium	<b>Battery shelf life (year)</b>	3 years
<b>Activated battery life</b>	36 months	<b>Alarm type</b>	Visual
<b>User interface</b>	LCD DISPLAY	<b>Display medium</b>	LCD Display
<b>Recording medium</b>	Electronic	<b>Ingress protection rating IP</b>	IP50

<b>Comments</b>	1X Gateway,4X Temperature sensor,1X Door On-off sensor,1X Power Outage sensor The whole system consists of repeaters and different collectors: Four Temperature collectors, One Power on-off collector, One Door open-close collector. The software fee includes annual subscription fees, portal access fee, SIM card startup fee. The collector sends the collected data to the repeater through LoRa(Long Range Radio) signal, and the repeater sends the data to the cloud platform through GPRS signal. A repeater can be automatically connected with about 60 collectors. Users do not need any settings for the hardware devices, and can operate after starting up. Users only need to set the alarm threshold, user information and device name on the cloud platform. Weight per package (Kg): 1X Gateway: 0.64Kg
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.023	<b>Weight per Package (Kg)</b>	0.6400
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<b>Units per package</b>	1.00	<b>Weight per Unit (Kg)</b>	0.6400
<b>Minimum order</b>	1.00	<b>Incoterms</b>	FCA
<b>Price 1</b>	The software fee: 200 USD to 300 per year	<b>Price 2</b>	The hardware fee: 1350USD (1-50 units)
<b>Price 3</b>	The hardware fee: 1300USD (51-100 unit)	<b>Year of base price</b>	2021

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#### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: Applicable PQS VP(s):		

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#### PRODUCT SITES

<b>Organization name</b>	Qingdao Haier Biomedical Co., Ltd
<b>Address</b>	No.280 Fengyuan Road High-tech Zone Qingdao Shandong China

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<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	UTRID-16
<b>IMD-PQS Code:</b>	E006-076
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	18 Mar 2021
<b>Appliance type:</b>	E006
<b>Product description:</b>	User programmable data logger
<b>Manufacturer:</b>	LogTag North America Inc.
<b>Manufacturers Reference:</b>	UTRID-16
<b>Country of Manufacture:</b>	Vietnam
<b>Address:</b>	TongFuYu Industrial Zone, Block NO.8, Jinghong Road, Shajing Town, Baoan 518117 ShenZhen, GuangDong China
<b>Telephone:</b>	+64 9 448 2311
<b>Email:</b>	<a href="mailto:sales@logtagrecorders.com">sales@logtagrecorders.com</a>
<b>Website address:</b>	<a href="http://www.logtagrecorders.com">www.logtagrecorders.com</a>
<b>Valid until:</b>	31 May 2025

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Maximum logging intervals (mins)</b>	1080.00	<b>Sensor type(s)</b>	Electronic Thermistor
<b>Maximum number of sensor channels</b>	1.00	<b>External dimensions height (mm)</b>	8.60
<b>External dimensions length (mm)</b>	93.00	<b>External dimensions width (mm)</b>	54.50
<b>Activation mechanism</b>	Start button, or start at configured date and time	<b>Material</b>	Polycarbonate
<b>Fixing mechanism</b>	Screws	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-30.00	<b>Maximum working temperature (°C)</b>	65.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Power source</b>	Non-replaceable battery	<b>Battery type</b>	CR2450 3V Li-MnO <sub>2</sub> UN38.3 approved coin cell
<b>Battery shelf life (year)</b>	12 months	<b>Activated battery life</b>	24 months
<b>Alarm type</b>	Visual	<b>Memory size (Mb)</b>	4.0000000000
<b>Memory capacity (readings)</b>	16129.00	<b>User interface</b>	USB / Display / Buttons
<b>Display medium</b>	LCD Display	<b>Recording medium</b>	EEPROM, non-volatile
<b>Ingress protection rating IP</b>	IP65		

<b>Comments</b>	LogTag's UTRID-16 is a fully configurable, multi-use USB PDF temperature recorder with a built-in display, that can create temperature reports without the need to install proprietary software or hardware at the destination. Select statistical data can be reviewed directly on the display without the need for a PC. The recorder can be configured using LogTag® Analyzer, and is then placed with the goods to be monitored. At the end of the trip, the UTRID-16 can be plugged straight into a computer's USB port and generates a PDF file, which can be accessed using PDF software such as Acrobat Reader. Accuracy: Better than $\pm 0.5$ °C for -20 °C to +40 °C, better than $\pm 0.7$ °C for -30 °C to -20 °C and +40 °C to +60
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.028	<b>Weight per Package (Kg)</b>	0.0390
<b>Units per package</b>	50.00	<b>Weight per Unit (Kg)</b>	2.3000
<b>Minimum order</b>	20.00	<b>Incoterms</b>	EXW

<b>Price 1</b>	48 USD	<b>Year of base price</b>	2021
<b>QUALITY STANDARD</b>			
<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: Applicable PQS VP(s):		
<b>VERIFICATION</b>			
<b>Verification Laboratory</b>	TUV SUD PSB Pte Ltd	<b>Address</b>	15 International Business Park TÜV SÜD @ IBP Singapore 609937Singapore
<b>Telephone</b>	+6569736355	<b>Email</b>	xin-pei.kee@tuvsud.com
<b>PRODUCT SITES</b>			
<b>Organization name</b>	LogTag North America Inc.		
<b>Address</b>	TongFuYu Industrial Zone, Block NO.8, Jinghong Road, Shajing Town, Baoan 518117 ShenZhen, GuangDong China		
<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2025</i>

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	Parsyl Trek Tab
<b>IMD-PQS Code:</b>	E006-077
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	26 Apr 2021
<b>Appliance type:</b>	E006
<b>Product description:</b>	Electronic Shipping Indicator
<b>Manufacturer:</b>	e-Health Africa (eHA - formerly Parsyl Inc.)
<b>Manufacturers Reference:</b>	Parsyl Trek Tab
<b>Address:</b>	4-6 Independence Road, Kano Nigeria
<b>Telephone:</b>	+66 2420-2888
<b>Email:</b>	<a href="mailto:ssawadogo@parsyl.com">ssawadogo@parsyl.com</a>
<b>Website address:</b>	<a href="https://forth-ems.com">https://forth-ems.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	0.00
<b>Maximum logging intervals (mins)</b>	360.00	<b>Maximum recording time (days)</b>	100.00
<b>Maximum sensor lead length (metres)</b>	0.00	<b>Maximum number of sensor channels</b>	1.00
<b>External dimensions height (mm)</b>	5.30	<b>External dimensions length (mm)</b>	51.00
<b>External dimensions width (mm)</b>	26.00	<b>Activation mechanism</b>	manual
<b>Material</b>	Polycarbonate + ABS	<b>Fixing mechanism</b>	None
<b>CE marking</b>	Yes	<b>Minimum working temperature (°C)</b>	-30.00
<b>Maximum working temperature (°C)</b>	70.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.40	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	3V LiMnO2	<b>Battery shelf life (year)</b>	2 years
<b>Activated battery life</b>	3 months	<b>Alarm type</b>	NA
<b>Memory capacity (readings)</b>	14400.00	<b>User interface</b>	mobile app, LED
<b>Display medium</b>	Mobile device	<b>Recording medium</b>	flash memory
<b>Ingress protection rating IP</b>	IP67		

<b>Comments</b>	Memory size: 30 days on device
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.021609	<b>Weight per Package (Kg)</b>	0.0090
<b>Units per package</b>	50.00	<b>Weight per Unit (Kg)</b>	5.2000
<b>Minimum order</b>	50.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	Pricing models vary	<b>Year of base price</b>	2021

### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: PQS-E006-TR07.4 Applicable PQS VP(s): E006-TR07-VP.3		

**VERIFICATION**

Verification Laboratory

0013X00004Mi8OaQAJ

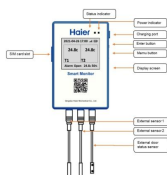
**PRODUCT SITES****Organization name** e-Health Africa (eHA - formerly Parsyl Inc.)**Address** 4-6 Independence Road, Kano  
Nigeria**Current PQS status:** *Prequalified***Valid until:** *31 May 2026*

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.





## E006: Temperature monitoring devices



<b>Product name:</b>	<b>U-COOL Pro</b>
<b>IMD-PQS Code:</b>	E006-078
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	06 Aug 2021
<b>Appliance type:</b>	E006
<b>Product description:</b>	Remote Temperature Monitoring Device
<b>Manufacturer:</b>	Qingdao Haier Biomedical Co., Ltd
<b>Manufacturers Reference:</b>	U-COOL Pro
<b>Address:</b>	No.280 Fengyuan Road High-tech Zone Qingdao Shandong China
<b>Telephone:</b>	+86-15066227057
<b>Email:</b>	<a href="mailto:tianhui.yu@haierbiomedical.com">tianhui.yu@haierbiomedical.com</a>
<b>Website address:</b>	<a href="http://www.haiermedical.com">http://www.haiermedical.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Sensor type(s)</b>	NTC	<b>Maximum number of sensor channels</b>	1.00
<b>External dimensions height (mm)</b>	21.00	<b>External dimensions length (mm)</b>	112.00
<b>External dimensions width (mm)</b>	75.00	<b>Material</b>	ABS
<b>Fixing mechanism</b>	None	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-40.00	<b>Maximum working temperature (°C)</b>	65.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Replaceable battery
<b>Battery shelf life (year)</b>	2 years	<b>Activated battery life</b>	36 months
<b>Alarm type</b>	Aucoustic	<b>User interface</b>	LCD screen
<b>Display medium</b>	LCD Display	<b>Recording medium</b>	Electronic

<b>Comments</b>	The device measures and records the temperature of refrigerator and the state of door , and transmits them to the platform through GPRS, realizing remote platform monitoring. External dimensions (cm): 112mm*75mm*21mm
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### PRICE AND SHIPPING

<b>Weight per Package (Kg)</b>	0.2000	<b>Year of base price</b>	2021
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### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: E006/TR03.2 Applicable PQS VP(s): E006/ TR07-VP.3		

### PRODUCT SITES

<b>Organization name</b>	Qingdao Haier Biomedical Co., Ltd
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<b>Address</b>	No.280 Fengyuan Road High-tech Zone Qingdao Shandong China
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<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



No image  
available

### E006: Temperature monitoring devices

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IMD-PQS Code:	E006-079
Status:	Suspended
Date of acceptance:	07 Jun 2021
Appliance type:	E006

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### Specifications

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Current PQS status:	<i>Suspended</i>	Valid until:
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	Parsyl Trek Pro & Passport
<b>IMD-PQS Code:</b>	E006-080
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	24 Mar 2022
<b>Appliance type:</b>	E006
<b>Product description:</b>	Remote Temperature Monitoring Device
<b>Manufacturer:</b>	e-Health Africa (eHA - formerly Parsyl Inc.)
<b>Manufacturers Reference:</b>	Parsyl Trek Pro & Passport
<b>Country of Manufacture:</b>	Thailand
<b>Address:</b>	4-6 Independence Road, Kano Nigeria
<b>Telephone:</b>	+66 2420-2888
<b>Email:</b>	<a href="mailto:ssawadogo@parsyl.com">ssawadogo@parsyl.com</a>
<b>Website address:</b>	<a href="https://forth-ems.com">https://forth-ems.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	166667.00
<b>Material</b>	Polycarbonate + ABS	<b>Fixing mechanism</b>	None
<b>CE marking</b>	Yes	<b>Minimum working temperature (°C)</b>	-40.00
<b>Maximum working temperature (°C)</b>	70.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.10	<b>Power source</b>	Mains+Battery
<b>Battery type</b>	3V LiFeS2	<b>Battery shelf life (year)</b>	10 years
<b>Activated battery life</b>	36 months	<b>Alarm type</b>	NA
<b>Programmability</b>	User Programed	<b>User interface</b>	Switch, button, LEDs, audible alarms, mobile appli
<b>Display medium</b>	LED and mobile phone	<b>Recording medium</b>	Not applicable

<b>Comments</b>	Parsyl's combined hardware and software solution provides reliable remote monitoring of sensitive health commodities as they move through the supply chain, both in transit and storage. Pricing for the Parsyl Trek Pro and Passport includes: Global SIM data, access to the Parsyl platform, 3 year warranty, and SMS/email notifications. External dimensions (cm): 2.0x3.9x10 cm (Trek Pro), 4.2x9.8x11.7 cm (Passport)
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.021609	<b>Weight per Package (Kg)</b>	0.5790
<b>Units per package</b>	2.00	<b>Weight per Unit (Kg)</b>	0.0247
<b>Minimum order</b>	1.00	<b>Incoterms</b>	FCA
<b>Price 1</b>	\$400	<b>Year of base price</b>	2022

### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: E006/TR03.2 Applicable PQS VP(s):		

### VERIFICATION

<b>Verification Laboratory</b>	Tektronix Service Solutions	<b>Address</b>	7 Sterling Road, North Billerica, MA 01862, USAUnited States of America
<b>Telephone</b>	+1 781 743 0244	<b>Email</b>	bill.briggs@tektronix.com

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#### PRODUCT SITES

<b>Organization name</b>	e-Health Africa (eHA - formerly Parsyl Inc.)
<b>Address</b>	4-6 Independence Road, Kano Nigeria

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<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	LM-XS Pro E006
<b>IMD-PQS Code:</b>	E006-081
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	26 Apr 2022
<b>Appliance type:</b>	E006
<b>Product description:</b>	30 Day Temperature Logger
<b>Manufacturer:</b>	G-Tek Corporation Private Limited
<b>Manufacturers Reference:</b>	LM-XS Pro E006
<b>Country of Manufacture:</b>	India
<b>Address:</b>	Gunaji House", Plot No. 25/1, Besides Status Bungalow, Padra Road, Vadodara Gujarat India
<b>Telephone:</b>	+91 98 242 61702
<b>Email:</b>	<a href="mailto:sonam.chauhan@gtek-india.com">sonam.chauhan@gtek-india.com</a>
<b>Website address:</b>	<a href="http://www.gtek-india.com">www.gtek-india.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Maximum logging intervals (mins)</b>	540.00	<b>Maximum recording time (days)</b>	120.00
<b>Sensor type(s)</b>	External Thermistor 10K NTC	<b>Maximum sensor lead length (metres)</b>	3.00
<b>Maximum number of sensor channels</b>	1.00	<b>External dimensions height (mm)</b>	20.00
<b>External dimensions length (mm)</b>	128.00	<b>External dimensions width (mm)</b>	60.00
<b>Activation mechanism</b>	by long press of "UP" key for more than 10 seconds	<b>Material</b>	Polycarbonate plastic; non-breakable, non-corrodible
<b>Fixing mechanism</b>	Screws	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-40.00	<b>Maximum working temperature (°C)</b>	60.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	"Non-Replaceable 3.0 V 950mAh; CR2477 Panasonic	<b>Battery shelf life (year)</b>	5
<b>Activated battery life</b>	60 months	<b>Alarm type</b>	Visual
<b>Memory capacity (readings)</b>	17280.00	<b>Programmability</b>	Factory Programmed
<b>User interface</b>	LCD	<b>Display medium</b>	LCD Display
<b>Recording medium</b>	Flash Memory	<b>Ingress protection rating IP</b>	IP64

**Comments**

The LM-XSPro E006 is an External sensor data logger with two options to choose from Type-1 and Type-2 configurations. Direct PDF/CSV Summary Report of maximum 60 days can be generated by connecting the device with PC. For the detailed data analysis and report, windows based software application is available. It displays "Tick mark" if the temperature has remained within the recommended limits. It displays "Cross mark" if there are any heat or freeze temperature violations, for a period beyond recommended limits. It gives a visual alarm for any violations of temperature. It stores the data up to 60 days and user can see the history data up to last 30 days without downloading or connecting the device to the computer. For more details, refer to the operating manual and quick start guide (1) Manual Start, on long press of UP key (2) Start delay of 10 minutes (3) Once started device cannot be stopped. (4) Device can be PAUSED to exclude data from alarm, min/max statistics for 15 min. But recording will continue. (5) Auto resume from PAUSE after 15 mins. (6) User can view last 30 days of history data on display using keyboard. (7) Total of 120 days of storage. (8) Memory Roll-over after 120 days of storage. (9) Multi digit, character LCD display to indicate various functions, parameters and values (10) Display dimension: 22 x 42 mm; 0.35" HTN Reflective; (11) Display Auto-off; after 1min of non-access of Keyboard (12) LED status indicator for RUN and STOP mode (13) Three front panel keys to perform various functions For more details refer to the operating manual and quick start guide.

**PRICE AND SHIPPING**

<b>Shipping volume (m3)</b>	0.038	<b>Weight per Package (Kg)</b>	0.1000
<b>Units per package</b>	30.00	<b>Weight per Unit (Kg)</b>	8.0000
<b>Minimum order</b>	1.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	1-100 units: US\$75 per unit	<b>Price 2</b>	101-250 units: US\$55 per unit
<b>Price 3</b>	> 250 units :Consult Factory	<b>Year of base price</b>	2022

**QUALITY STANDARD**

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: PQS-E006-TR07.4 Applicable PQS VP(s):		

**VERIFICATION**

<b>Verification Laboratory</b>	0013X00004MI8OaQAJ	<b>Verification Report Reference</b>	LLTPL/TL/2025-02/01
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**PRODUCT SITES**

<b>Organization name</b>	G-Tek Corporation Private Limited
<b>Address</b>	Gunaji House", Plot No. 25/1, Besides Status Bungalow, Padra Road, Vadodara Gujarat India

<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	<b>Vac-TL-01</b>
<b>IMD-PQS Code:</b>	E006-082
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	26 Apr 2022
<b>Appliance type:</b>	E006
<b>Product description:</b>	USER PROGRAMMABLE DATA LOGGER
<b>Manufacturer:</b>	Inspired Technology Ltd
<b>Manufacturers Reference:</b>	Vac-TL-01
<b>Country of Manufacture:</b>	China
<b>Address:</b>	1 Huangshan Road, Tongshan Economic Development Zone, Xuzhou Jiangsu, China 221116 China
<b>Telephone:</b>	+971559127380
<b>Email:</b>	<a href="mailto:mohamed@inspiredtechnology.com">mohamed@inspiredtechnology.com</a>
<b>Website address:</b>	<a href="http://www.inspiredtechnology.co">http://www.inspiredtechnology.co</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Maximum logging intervals (mins)</b>	10.00
<b>Maximum recording time (days)</b>	111.00	<b>External dimensions height (mm)</b>	80.00
<b>External dimensions length (mm)</b>	97.00	<b>External dimensions width (mm)</b>	53.00
<b>Activation mechanism</b>	Start Button or Scheduled Start	<b>Material</b>	Polycarbonate
<b>Fixing mechanism</b>	Adhesive	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-30.00	<b>Maximum working temperature (°C)</b>	70.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Power source</b>	Non-replaceable battery	<b>Battery type</b>	Coin Cell Battery 3V
<b>Battery shelf life (year)</b>	2 Years	<b>Alarm type</b>	Visual
<b>Memory capacity (readings)</b>	1000.00	<b>Programmability</b>	User Programed
<b>User interface</b>	LCD DISPLAY	<b>Display medium</b>	LCD
<b>Recording medium</b>	Electronic	<b>Ingress protection rating IP</b>	IP65

<b>Comments</b>	The Vac-TL-01 is a user programmable temperature data logger with low power LCD and USB connector that allows quick access to PDF data report without use of any software or cable. The logger can be individually configured and programmed or order preconfigured. Vac-TL-01 is supplied with InspiredOne software. InspiredOne software has FDA 21 CFR Part 11 compliance mode, and an option to download a temporary PDF in recording mode. Accuracy: $\pm 0.5^{\circ}\text{C}$ ( $-20^{\circ}\text{C}$ to $+40^{\circ}\text{C}$ ); $\pm 1.0^{\circ}\text{C}$ (other range) Memory size: 1000 data points
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.004	<b>Weight per Package (Kg)</b>	0.0650
<b>Units per package</b>	30.00	<b>Weight per Unit (Kg)</b>	1.8000
<b>Minimum order</b>	30.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	Price per unit : \$20EA	<b>Price 2</b>	Price per 10 units : \$20EA
<b>Price 3</b>	100+ units: \$19 EA; 500+ units on request.	<b>Year of base price</b>	2022

### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
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<b>Specification Reference</b>	Applicable PQS specification: Applicable PQS VP(s):
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<b>VERIFICATION</b>	
<b>Verification Laboratory</b>	0013X00004MI8OaQAJ

<b>PRODUCT SITES</b>			
<b>Organization name</b>	Inspired Technology Ltd		
<b>Address</b>	1 Huangshan Road, Tongshan Economic Development Zone, Xuzhou Jiangsu, China 221116 China		
<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	LogEt 1
<b>IMD-PQS Code:</b>	E006-083
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	06 Feb 2022
<b>Appliance type:</b>	E006
<b>Product description:</b>	User programmable data logger
<b>Manufacturer:</b>	Jiangsu Jingchuang Electronics Co.,Ltd
<b>Manufacturers Reference:</b>	LogEt 1
<b>Country of Manufacture:</b>	China
<b>Address:</b>	No,21 East Zhujiang Rd, Tongshan EconomicDevelopment Zone, Xuzhou, Jiangsu, China
<b>Telephone:</b>	0086 0516 18796337208
<b>Email:</b>	<a href="mailto:zhangbo@e-elitech.com">zhangbo@e-elitech.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	0.00
<b>Maximum logging intervals (mins)</b>	1440.00	<b>Maximum recording time (days)</b>	180.00
<b>Sensor type(s)</b>	digital sensor	<b>Maximum sensor lead length (metres)</b>	0.00
<b>Maximum number of sensor channels</b>	0.00	<b>External dimensions height (mm)</b>	80.00
<b>External dimensions length (mm)</b>	97.00	<b>External dimensions width (mm)</b>	53.00
<b>Activation mechanism</b>	button	<b>Material</b>	Polycarbonate
<b>Fixing mechanism</b>	Adhesive	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-30.00	<b>Maximum working temperature (°C)</b>	70.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	Coin Cell Battery 3V	<b>Battery shelf life (year)</b>	2 years
<b>Activated battery life</b>	6 months	<b>Alarm type</b>	Visual
<b>Memory capacity (readings)</b>	300000.00	<b>Programmability</b>	User Programed
<b>User interface</b>	LCD DISPLAY	<b>Display medium</b>	LCD
<b>Recording medium</b>	Electronic	<b>Ingress protection rating IP</b>	IP67

<b>Comments</b>	***User-Programmable. Software-free online configuration or use free Elitechlog software. No hidden costs. *Easy to use. Create PDF reports without software or cable, The PDF Report is available at any time without stopping the Logger. *Damage control. Up to 5 levels of limit values can be set. *Light Intensity/Illuminance (Lux). Detect whether a parcel has been opened or not during a shipment. *Back up shadow log, prevent data from being lost *Password protection, protect data safety and prevent misuse. *Humidity sensor is optional
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.0043	<b>Weight per Package (Kg)</b>	0.0650
<b>Units per package</b>	30.00	<b>Weight per Unit (Kg)</b>	1.8000
<b>Minimum order</b>	30.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	30-100 units: 18.50 USD	<b>Price 2</b>	100-500 units:17.50 USD

<b>Price 3</b>	>500 units: on request to manufacturer	<b>Year of base price</b>	2022
<b>QUALITY STANDARD</b>			
<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: Applicable PQS VP(s):		
<b>VERIFICATION</b>			
<b>Verification Report Reference</b>		TUV E8A 114320 0001 Rev. 00	
<b>PRODUCT SITES</b>			
<b>Organization name</b>	Elitech Technology Inc.		
<b>Address</b>	2528 Qume Dr. Ste 2, San Jose, CA 95131 China		
<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	Parsyl Trek Tab
<b>IMD-PQS Code:</b>	E006-084
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	06 Feb 2022
<b>Appliance type:</b>	E006
<b>Product description:</b>	User programmable data logger
<b>Manufacturer:</b>	e-Health Africa (eHA - formerly Parsyl Inc.)
<b>Manufacturers Reference:</b>	Parsyl Trek Tab
<b>Country of Manufacture:</b>	Thailand
<b>Address:</b>	4-6 Independence Road, Kano Nigeria
<b>Telephone:</b>	+66 2420-2888
<b>Email:</b>	<a href="mailto:ssawadogo@parsyl.com">ssawadogo@parsyl.com</a>
<b>Website address:</b>	<a href="https://forth-ems.com">https://forth-ems.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	0.00
<b>Maximum logging intervals (mins)</b>	360.00	<b>Maximum recording time (days)</b>	365.00
<b>Sensor type(s)</b>	internal sensor	<b>Maximum sensor lead length (metres)</b>	0.00
<b>Maximum number of sensor channels</b>	1.00	<b>External dimensions height (mm)</b>	5.30
<b>External dimensions length (mm)</b>	51.00	<b>External dimensions width (mm)</b>	26.00
<b>Activation mechanism</b>	button	<b>Material</b>	Polycarbonate + ABS
<b>Fixing mechanism</b>	None	<b>CE marking</b>	Yes

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	3V LiMnO2	<b>Battery shelf life (year)</b>	2 years
<b>Activated battery life</b>	12 Months (min)	<b>Alarm type</b>	NA
<b>Memory capacity (readings)</b>	10000.00	<b>User interface</b>	mobile app, LED
<b>Recording medium</b>	Flash Memory		

<b>Comments</b>	Parsyl's combined hardware and software solution provides reliable remote monitoring of sensitive health commodities as they move through the supply chain, both in transit and storage. • The Trek Tab device includes temperature sensor. • Users can configure multiple visual alarms to alert them when a threshold has been breached. • Data is collected and stored even in low and no connectivity environments, meaning that no data will be lost even when power and cell service is inconsistent or unavailable. • Data is transferred via Bluetooth Low Energy (BLE) to the Parsyl mobile app, where users can view the alarms and additional metrics. Data can also be transferred via the optional Parsyl Gateway, which automatically transfers data for nearby devices via cellular or wi-fi. • Offloaded data is automatically uploaded to the Parsyl web platform. • Parsyl sensor data collected is processed into actionable insights allowing health care workers to take remedial actions which can be recorded in the Parsyl mobile application. • The Parsyl web application provides timelines and details of excursions that help to prevent the same issues from happening again in the future. Memory size: 16,000 data points
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.02	<b>Weight per Package (Kg)</b>	0.0090
<b>Units per package</b>	50.00	<b>Weight per Unit (Kg)</b>	5.2000
<b>Minimum order</b>	50.00	<b>Incoterms</b>	EXW

Price 1	\$12	Year of base price	2022
QUALITY STANDARD			
Quality Standard	Other	Quality standard (Other)	ISO 9001:2015
Specification Reference	Applicable PQS specification: Applicable PQS VP(s):		
VERIFICATION			
Verification Laboratory	0013X00004MI8OaQAJ		
PRODUCT SITES			
Organization name	e-Health Africa (eHA - formerly Parsyl Inc.)		
Address	4-6 Independence Road, Kano Nigeria		
Current PQS status:	Prequalified	Valid until:	31 May 2026

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	testo 184 T3
<b>IMD-PQS Code:</b>	E006-085
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	07 Jan 2022
<b>Appliance type:</b>	E006
<b>Product description:</b>	User programmable data logger
<b>Manufacturer:</b>	Testo SE & Co. KGaA
<b>Manufacturers Reference:</b>	testo 184 T3
<b>Country of Manufacture:</b>	China
<b>Address:</b>	Celsiusstr. 2 Titisee-Neustadt Baden-Württemberg Germany
<b>Telephone:</b>	+49 7653 681-0
<b>Email:</b>	<a href="mailto:saveris@testo.com">saveris@testo.com</a>
<b>Website address:</b>	<a href="http://www.testo.de">www.testo.de</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Maximum logging intervals (mins)</b>	1440.00	<b>Maximum recording time (days)</b>	500.00
<b>Sensor type(s)</b>	NTC	<b>Maximum sensor lead length (metres)</b>	0.00
<b>Maximum number of sensor channels</b>	1.00	<b>External dimensions height (mm)</b>	40.00
<b>External dimensions length (mm)</b>	97.00	<b>External dimensions width (mm)</b>	12.00
<b>Activation mechanism</b>	Start button; Start Date/Time; Software	<b>Material</b>	ABS
<b>Fixing mechanism</b>	None	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-35.00	<b>Maximum working temperature (°C)</b>	70.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Replaceable battery
<b>Battery type</b>	CR2450 3V	<b>Battery shelf life (year)</b>	10 years
<b>Activated battery life</b>	3 months	<b>Alarm type</b>	NA
<b>Memory capacity (readings)</b>	40000.00	<b>Programmability</b>	User Programed
<b>User interface</b>	2 buttons, 3 LED, 1 display	<b>Display medium</b>	LCD Display
<b>Recording medium</b>	Not applicable	<b>Ingress protection rating IP</b>	IP67

**Comments**

With the temperature data loggers testo 184 T3, you monitor the transport of sensitive goods such as pharmaceuticals, foods or electronics, over an unlimited period. More info on applications. At their destination, a glance at the display or the LEDs tells you whether the configured limit values have been adhered to. In order to obtain detailed information, it is sufficient to connect the logger to a PC – a PDF report is immediately generated with all relevant data. In order for you to be able to work even more efficiently and conveniently with the data loggers, all required files and information are stored directly and securely in the testo 184 T3: Configuration file, acceptance test certificate 3.1 according to DIN ISO 10204, instruction manual and PDF report of your recorded data. The measurement value store of the temperature data logger testo 184 T3 has a capacity of 40000 measurement values. The measurement rate is freely selectable from 1 min to 24 h. The battery has a life of 500 days. The temperature data logger testo 184 T3 is supplied by a standard battery which can be exchanged by the user. testo 184 T3 is compliant with GxP, 21 CFR Part 11, HACCP and EN 12830. Testo is an ISO 9001-certified company, and ensures the adherence to the norms through internal audits as well as accredited external audits. Memory size: 16000 data points

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**PRICE AND SHIPPING**

<b>Weight per Package (Kg)</b>	0.0450	<b>Price 1</b>	108 euros
<b>Year of base price</b>	2022		

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**QUALITY STANDARD**

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: E006/TR05.1 Applicable PQS VP(s):		

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**PRODUCT SITES**

<b>Organization name</b>	Testo SE & Co. KGaA
<b>Address</b>	Celsiusstr. 2 Titisee-Neustadt Baden-Württemberg Germany

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<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	Vax Ultima
<b>IMD-PQS Code:</b>	E006-086
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	14 Sep 2022
<b>Appliance type:</b>	E006
<b>Product description:</b>	Electronic Shipping Indicator
<b>Manufacturer:</b>	Inspired Technology Ltd
<b>Manufacturers Reference:</b>	Vax Ultima
<b>Address:</b>	1 Huangshan Road, Tongshan Economic Development Zone, Xuzhou Jiangsu, China 221116 China
<b>Telephone:</b>	+971559127380
<b>Email:</b>	<a href="mailto:mohamed@inspiredtechnology.com">mohamed@inspiredtechnology.com</a>
<b>Website address:</b>	<a href="http://www.inspiredtechnology.co">http://www.inspiredtechnology.co</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	0.00
<b>Maximum logging intervals (mins)</b>	1080.00	<b>Maximum recording time (days)</b>	111.00
<b>Sensor type(s)</b>	digital sensor	<b>Maximum sensor lead length (metres)</b>	0.00
<b>Maximum number of sensor channels</b>	0.00	<b>External dimensions height (mm)</b>	7.80
<b>External dimensions length (mm)</b>	95.00	<b>External dimensions width (mm)</b>	49.00
<b>Activation mechanism</b>	Start/Stop button	<b>Material</b>	ABS
<b>Fixing mechanism</b>	Adhesive	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-30.00	<b>Maximum working temperature (°C)</b>	60.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	Coin Cell Battery 3V	<b>Battery shelf life (year)</b>	2 years
<b>Activated battery life</b>	12 Months (min)	<b>Alarm type</b>	Visual
<b>Memory capacity (readings)</b>	32000.00	<b>User interface</b>	LCD and PC downloadable
<b>Display medium</b>	LCD	<b>Recording medium</b>	Not applicable
<b>Ingress protection rating IP</b>	IP65		



<b>Comments</b>	<p>Vax Ultima is the Single use pre-programmed electronic shipping indicator with non-replaceable battery to accompany vaccine shipments from the vaccine manufacturer's warehouse to the receiving country's primary vaccine store. Vax Ultima displays the shipment's time-temperature exposure on the LCD display, without need for downloading to a PC and without need for a separate reading device. Additional to that it has an USB, to download the comprehensive time and temperature detailed report without any additional software required. Vax Ultima-Electronic shipping indicator is supplied Pre-programmed four versions : • Type C: Programmed with alarm settings suitable for the international shipment of DTP, DT, TT, Td, HepB, IPV, liquid Hib and combination vaccines, MenAfriVac, HPV, Pneumo (other than Prevenar). • Type A/B: Programmed with alarm settings suitable for the international shipment of BCG, lyophilized Hib, measles, MR, MMR, meningitis (polysaccharide), OPV, rabies, rotavirus (other than rotateq) and yellow fever vaccines shipped with frozen water-ice packs. • Type Rotateq: Rotateq only • Type Prevenar: only for Prevenar 7 and 13 -valent conjugated vaccine. Each version is offered with 111 days recording period @ 5 minutes recording interval and 222 days recording period @ 10 minutes recording interval. A legible photocopy is possible in VaxUltima's LCD display as a permanent record for shipment's arrival is stable on the display once the logger is stopped. Maximum recording time (days): 111 days @ 5 minutes logging interval Memory size: 30 days overview on the display/ PDF report up to 120</p>		
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#### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.002	<b>Weight per Package (Kg)</b>	0.0300
<b>Units per package</b>	20.00	<b>Weight per Unit (Kg)</b>	0.6500
<b>Minimum order</b>	20.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	\$21	<b>Year of base price</b>	2022

#### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: Applicable PQS VP(s):		

#### VERIFICATION

<b>Verification Laboratory</b>	Techbio Solutions	<b>Address</b>	Module 18, 1st Floor, SIDCO Industrial Complex, SIDCO Industrial Estate, Thirumazhisai, Chennai, Tamilnadu – 600124 INDIAIndia
<b>Telephone</b>	+914426811025	<b>Email</b>	vikram@techbiosol.com

#### PRODUCT SITES

Organization name	Inspired Technology Ltd		
Address	1 Huangshan Road, Tongshan Economic Development Zone, Xuzhou Jiangsu, China 221116 China		
Current PQS status:	Prequalified	Valid until:	31 May 2026

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	SmartMonitor SITE L
<b>IMD-PQS Code:</b>	E006-087
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	29 Jan 2023
<b>Appliance type:</b>	E006
<b>Product description:</b>	Remote Temperature Monitoring Device
<b>Manufacturer:</b>	Berlinger & Co. AG
<b>Manufacturers Reference:</b>	SmartMonitor SITE L
<b>Country of Manufacture:</b>	Sri Lanka
<b>Address:</b>	Mitteldorfstrasse 2, CH-9608 Ganterschwil, Switzerland Switzerland
<b>Telephone:</b>	+41 (71) 982 88 11
<b>Email:</b>	<a href="mailto:info@berlinger.com">info@berlinger.com</a>
<b>Website address:</b>	<a href="http://www.berlinger.com">http://www.berlinger.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	5.00
<b>Maximum logging intervals (mins)</b>	240.00	<b>Maximum recording time (days)</b>	7.00
<b>Sensor type(s)</b>	electronic	<b>Maximum sensor lead length (metres)</b>	2.00
<b>Maximum number of sensor channels</b>	4.00	<b>External dimensions height (mm)</b>	20.00
<b>External dimensions length (mm)</b>	72.00	<b>External dimensions width (mm)</b>	125.00
<b>Activation mechanism</b>	Display & cloud interface	<b>Material</b>	plastic housing
<b>Fixing mechanism</b>	Adhesive	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-40.00	<b>Maximum working temperature (°C)</b>	75.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Mains+Battery
<b>Battery type</b>	Ni-MH battery pack	<b>Battery shelf life (year)</b>	0
<b>Activated battery life</b>	7 days	<b>Alarm type</b>	Aucostic
<b>Memory capacity (readings)</b>	1000.00	<b>Programmability</b>	User Programed
<b>User interface</b>	USB & cloud	<b>Display medium</b>	Liquid Crystal
<b>Recording medium</b>	Non-volatile EEPROM memory	<b>Ingress protection rating IP</b>	UIP65

<b>Comments</b>	Remote temperature monitoring of refrigerators and freezers. As part of the SmartSystem, the SmartMonitor SITE L provides real- time monitoring of temperature alarms and doors left open through visual and acoustic alarms on the device for immediate action. Simultaneously, the monitoring status is shown in the central dashboard platform SmartView, which displays all measurement data, trends and alarms. SmartView is web-based and can be used without installing additional software. Multiple users can have access. Alarm notifications are sent to users' cell phones or emails. In addition, users can receive warnings when the temperature is on the trajectory towards a breach. This powerful warning enables corrective action before an alarm occurs. The temperature ranges from -200°C to +75°C is covered, with up to 24 individually programmable alarm rules for temperature and humidity. The open-door detection provides an additional check to avoid temperature excursions. SmartSystem includes: SmartView dashboard software, SmartMonitor SITE L, global mobile network coverage (cellular). The communication technologies included are Cellular LTE Cat M1 (4G/5G), NB-IoT, 2G; WiFi; GNSS. Easy integration of data between SmartView and other systems via an API. Accessories: - SmartCradle for secure mounting of the SmartMonitor SITE L - SmartSensor extension cable for efficient and reliable installation (1m). More information: <a href="https://www.berlinger.com/temperature-monitoring/services/smartsystem-user-support">https://www.berlinger.com/temperature-monitoring/services/smartsystem-user-support</a> Accuracy: +/- 0.5°C in the range of [-10°C, +45°C] Memory size: 1000 data points		
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#### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.023	<b>Weight per Package (Kg)</b>	0.1800
<b>Units per package</b>	10.00	<b>Weight per Unit (Kg)</b>	2.0000
<b>Minimum order</b>	10.00	<b>Incoterms</b>	FCA
<b>Price 1</b>	USD 325	<b>Year of base price</b>	2023

#### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: Applicable PQS VP(s):		

#### PRODUCT SITES

<b>Organization name</b>	Berlinger & Co. AG
<b>Address</b>	Mitteldorfstrasse 2, CH-9608 Ganterschwil, Switzerland Switzerland

<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	Q-tag CLm doc D
<b>IMD-PQS Code:</b>	E006-088
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	16 Feb 2023
<b>Appliance type:</b>	E006
<b>Product description:</b>	Electronic Shipping Indicator - ULT
<b>Manufacturer:</b>	Berlinger & Co. AG
<b>Manufacturers Reference:</b>	Q-tag CLm doc D
<b>Country of Manufacture:</b>	Switzerland
<b>Address:</b>	Mitteldorfstrasse 2, CH-9608 Gantereschwil, Switzerland Switzerland
<b>Telephone:</b>	+41 (71) 982 88 11
<b>Email:</b>	<a href="mailto:info@berlinger.com">info@berlinger.com</a>
<b>Website address:</b>	<a href="http://www.berlinger.com">http://www.berlinger.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Maximum logging intervals (mins)</b>	99.00	<b>Maximum recording time (days)</b>	40.00
<b>Sensor type(s)</b>	electronic	<b>Maximum sensor lead length (metres)</b>	0.00
<b>Maximum number of sensor channels</b>	0.00	<b>External dimensions height (mm)</b>	20.00
<b>External dimensions length (mm)</b>	94.00	<b>External dimensions width (mm)</b>	54.00
<b>Activation mechanism</b>	Start button	<b>Material</b>	Plastic housing
<b>Fixing mechanism</b>	None	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-96.00	<b>Maximum working temperature (°C)</b>	30.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Power source</b>	Non-replaceable battery	<b>Battery shelf life (year)</b>	1 1/2 year
<b>Activated battery life</b>	1.3 months	<b>Alarm type</b>	Visual
<b>Memory capacity (readings)</b>	38000.00	<b>User interface</b>	LCD DISPLAY
<b>Display medium</b>	LCD Display	<b>Recording medium</b>	Not applicable
<b>Ingress protection rating IP</b>	IP65		

<b>Comments</b>	Dry ice multi-alarm shipping temperature USB monitor Ideal for shipments between -96°C to +30°C. The dry-ice multi-alarm shipping logger has a storage capacity of 38,000 measurements and is single use. When connected to a computer, the logger automatically generates a secure PDF report showing the measured data including the temperature curve. Accessories: - Data management with Berlinger Smartview - Data verification with Berlinger Verifier Calibration traceable to ILAC recognised international standard (e.g. SAS, NIST) upon request Open mSupply compatible (validated) Discounts apply for large orders Accuracy: +/- 0.5°C from -30°C to +30°C   +/- 1.5°C from -96°C to -30°C
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.0045	<b>Weight per Package (Kg)</b>	0.0540
<b>Units per package</b>	25.00	<b>Weight per Unit (Kg)</b>	1.6800
<b>Minimum order</b>	20.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	\$98.50	<b>Year of base price</b>	2023

**QUALITY STANDARD**

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: Applicable PQS VP(s):		

**VERIFICATION**

<b>Verification Laboratory</b>	Roth & CO AG	<b>Address</b>	asasasSwitzerland
<b>Verification Report Reference</b>	VA15-00564 / VA18-02042		

**PRODUCT SITES**

<b>Organization name</b>	Berlinger & Co. AG		
<b>Address</b>	Mitteldorfstrasse 2, CH-9608 Ganterschwil, Switzerland Switzerland		
<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	Q-tag CLm doc Ice
<b>IMD-PQS Code:</b>	E006-089
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	16 Feb 2023
<b>Appliance type:</b>	E006
<b>Product description:</b>	Electronic Shipping Indicator
<b>Manufacturer:</b>	Berlinger & Co. AG
<b>Manufacturers Reference:</b>	Q-tag CLm doc Ice
<b>Country of Manufacture:</b>	Switzerland
<b>Address:</b>	Mitteldorfstrasse 2, CH-9608 Ganterschwil, Switzerland Switzerland
<b>Telephone:</b>	+41 (71) 982 88 11
<b>Email:</b>	<a href="mailto:info@berlinger.com">info@berlinger.com</a>
<b>Website address:</b>	<a href="http://www.berlinger.com">http://www.berlinger.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Maximum logging intervals (mins)</b>	99.00	<b>Maximum recording time (days)</b>	40.00
<b>Sensor type(s)</b>	electronic	<b>Maximum sensor lead length (metres)</b>	0.00
<b>Maximum number of sensor channels</b>	0.00	<b>External dimensions height (mm)</b>	20.00
<b>External dimensions length (mm)</b>	94.00	<b>External dimensions width (mm)</b>	54.00
<b>Activation mechanism</b>	button	<b>Material</b>	Plastic housing
<b>Fixing mechanism</b>	None	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-40.00	<b>Maximum working temperature (°C)</b>	60.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Battery type</b>	LTC
<b>Battery shelf life (year)</b>	1 1/2 year	<b>Activated battery life</b>	1.3 months
<b>Alarm type</b>	Visual	<b>Memory capacity (readings)</b>	38000.00
<b>Programmability</b>	Factory Programmed	<b>User interface</b>	LCD
<b>Display medium</b>	Liquid Crystal	<b>Recording medium</b>	Electronic
<b>Ingress protection rating IP</b>	IP65		

<b>Comments</b>	Freeze multi-alarm shipping temperature USB logger For shipments between -40°C to +60°C with a large memory capacity of 38,000 measurements and is single use. When connected to a computer, it automatically creates a PDF and ASCII file with all measured temperatures and time data. Accessories: - Data management with Berlinger Smartview - Data verification with Berlinger Verifier Calibration traceable to ILAC recognised international standard (e.g. SAS, NIST) upon request Open mSupply compatible (validated) Discounts apply for large orders Accuracy: +/- 0.5°C from -30°C to +40°C
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.0045	<b>Weight per Package (Kg)</b>	0.0540
<b>Units per package</b>	25.00	<b>Weight per Unit (Kg)</b>	1.6800
<b>Minimum order</b>	20.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	\$USD 92.10	<b>Year of base price</b>	2023

QUALITY STANDARD

Quality Standard	Other	Quality standard (Other)	ISO 9001:2015
Specification Reference	Applicable PQS specification: Applicable PQS VP(s):		

VERIFICATION

Verification Laboratory	Roth & CO AG	Address	asasasSwitzerland
Verification Report Reference	VA15-00564		

PRODUCT SITES

Organization name	Berlinger & Co. AG		
Address	Mitteldorfstrasse 2, CH-9608 Ganterenschwil, Switzerland Switzerland		
Current PQS status:	Prequalified	Valid until:	31 May 2026

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	Q-tag CLm doc Ice R
<b>IMD-PQS Code:</b>	E006-090
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	17 Feb 2023
<b>Appliance type:</b>	E006
<b>Product description:</b>	Electronic Shipping Indicator
<b>Manufacturer:</b>	Berlinger & Co. AG
<b>Manufacturers Reference:</b>	Q-tag CLm doc Ice R
<b>Country of Manufacture:</b>	Switzerland
<b>Address:</b>	Mitteldorfstrasse 2, CH-9608 Ganterschwil, Switzerland Switzerland
<b>Telephone:</b>	+41 (71) 982 88 11
<b>Email:</b>	<a href="mailto:info@berlinger.com">info@berlinger.com</a>
<b>Website address:</b>	<a href="http://www.berlinger.com">http://www.berlinger.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Maximum logging intervals (mins)</b>	99.00	<b>Maximum recording time (days)</b>	40.00
<b>Sensor type(s)</b>	electronic	<b>Maximum sensor lead length (metres)</b>	0.00
<b>Maximum number of sensor channels</b>	0.00	<b>External dimensions height (mm)</b>	20.00
<b>External dimensions length (mm)</b>	94.00	<b>External dimensions width (mm)</b>	54.00
<b>Activation mechanism</b>	Button activated	<b>Material</b>	plastic housing
<b>Fixing mechanism</b>	None	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-40.00	<b>Maximum working temperature (°C)</b>	60.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.80	<b>Power source</b>	Non-replaceable battery
<b>Battery shelf life (year)</b>	1 1/2 year	<b>Activated battery life</b>	1.3 months
<b>Alarm type</b>	Visual	<b>Memory capacity (readings)</b>	38000.00
<b>Programmability</b>	Factory Programmed	<b>User interface</b>	LCD DISPLAY
<b>Display medium</b>	LCD Display	<b>Recording medium</b>	Not applicable
<b>Ingress protection rating IP</b>	IP65		

<b>Comments</b>	Reusable freeze multi-alarm shipping temperature USB logger For reoccurring shipments between -40°C to +60°C with a large memory capacity of 38,000 measurements (reusable). When connected to a computer, it automatically creates a PDF and ASCII file with all measured temperatures and time data. Accessories: - Data management with Berlinger Smartview - Data verification with Berlinger Verifier Calibration traceable to ILAC recognised international standard (e.g. SAS, NIST) upon request Open mSupply compatible (validated) Discounts apply for large orders Accuracy: +/- 0.8°C from -40°C to +60°C
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.0045	<b>Weight per Package (Kg)</b>	0.0540
<b>Units per package</b>	25.00	<b>Weight per Unit (Kg)</b>	1.6800
<b>Minimum order</b>	20.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	122.4	<b>Year of base price</b>	2023



**QUALITY STANDARD**

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>Specification Reference</b>	Applicable PQS specification: Applicable PQS VP(s):		

**VERIFICATION**

<b>Verification Laboratory</b>	Roth & CO AG	<b>Address</b>	asasasSwitzerland
<b>Verification Report Reference</b>	VA15-00564		

**PRODUCT SITES**

<b>Organization name</b>	Berlinger & Co. AG		
<b>Address</b>	Mitteldorfstrasse 2, CH-9608 Ganterschwil, Switzerland Switzerland		
<b>Current PQS status:</b>	Prequalified	<b>Valid until:</b>	31 May 2026

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	CTX
<b>IMD-PQS Code:</b>	E006-091
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	14 Apr 2023
<b>Appliance type:</b>	E006
<b>Product description:</b>	Remote Temperature Monitoring System
<b>Manufacturer:</b>	Nexleaf Analytics
<b>Manufacturers Reference:</b>	CTX
<b>Country of Manufacture:</b>	India
<b>Address:</b>	Global Innovation Park CP-07 IMT Manesar Rd Road name & number: Sector 8, Imt Manesar, Manesar Delhi India
<b>Telephone:</b>	+91 8882223132
<b>Email:</b>	<a href="mailto:info@nexleaf.org.invalid">info@nexleaf.org.invalid</a>
<b>Website address:</b>	<a href="https://www.vvdntech.com">https://www.vvdntech.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>External dimensions height (mm)</b>	25.00	<b>External dimensions length (mm)</b>	155.00
<b>External dimensions width (mm)</b>	120.00	<b>Material</b>	Polycarbonate
<b>Fixing mechanism</b>	None	<b>CE marking</b>	Yes
<b>Minimum working temperature (°C)</b>	-30.00	<b>Maximum working temperature (°C)</b>	55.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Replaceable battery
<b>Battery type</b>	Lithium	<b>Battery shelf life (year)</b>	2 years
<b>Activated battery life</b>	60 mths from manufacture date	<b>Alarm type</b>	Other
<b>Alarm Type (Other)</b>	Acoustic & visual LED	<b>Memory capacity (readings)</b>	18000.00
<b>Programmability</b>	Other	<b>Programmability (Other)</b>	Remotely programmable
<b>User interface</b>	LCD, buttons, LED, phone app	<b>Display medium</b>	LCD Display
<b>Recording medium</b>	Not applicable	<b>Ingress protection rating IP</b>	IP50

## Comments

ColdTrace X (CTX) is a universal wireless remote temperature monitoring (RTM) solution for end-to-end vaccine cold chain equipment management and visibility. CTX provides electronic real-time temperature monitoring for storagerooms, freezers, walk-in cold rooms, and refrigerators, equipped with:

- Advanced & Customizable Monitoring Capabilities: Each CTX base station can pair with up to 16 wireless temperature sensors and 6 open-door sensors, ensuring comprehensive monitoring for any cold chain equipment configuration.
- Cutting-edge Technology: The base station boasts 2G, NBIoT, and WiFi capabilities along with ambient temperature and humidity sensors, providing seamless connectivity and accurate data readings. Plus, the Bluetooth Low Energy (BLE) 5.0 sensors can be conveniently operated from mobile phones.
- Versatile Deployment: From clinic fridges to national cold rooms, CTX's modular design allows for easy deployment in any storage facility. Its scalability and cost-effectiveness make it an ideal choice for your team's needs.
- Reliability Guaranteed: Backed by Nexleaf's 5-year warranty, CTX offers long-term reliability and peace of mind. You can trust CTX to overcome the toughest RTM challenges with its robust hardware and strong network capabilities for continuous monitoring without data disruptions.
- Empowering Tools: The ColdTrace.org data portal is used to examine temperature plots, create and schedule custom reports, and remotely configure devices, providing actionable insights for both healthcare workers and policymakers. With customizable SMS (text message) alerts and a user-friendly data portal, users can manage valuable vaccine and cold chain equipment resources and access analytics tools for informed decision-making. Through years of design and iteration, CTX solves the toughest RTM challenges:
- Common hardware means one common training curriculum,
- Wireless sensors prevent broken sensor cables and stay out of the way,
- Installation workflow simplifies adding new devices or equipment to the network,
- Strong batteries, robust power adapters, and caching prevent data outages.

Additional CTX features include:

1. 3-year warranty with purchase of 3-year data package, 5-year warranty with 5-year data package 2. Data subscription: Access to data & analytics via web dashboard & mobile app, including emailed reports. Data will continue to be accessible after subscription expiration 3. Connectivity subscription: Global SIM card with access to most networks 4. SMS package: SMS alerts for cold chain equipment power and temperature 5. LMIS interoperability: Single sign-on (SSO), WHO PQS E006/DS01.1, and custom integrations

## PRICE AND SHIPPING

<b>Weight per Package (Kg)</b>	0.4250	<b>Minimum order</b>	1.00
<b>Incoterms</b>	EXW	<b>Price 1</b>	1000+ kits: \$460.70
<b>Price 2</b>	50 too 999 kits: \$478.3	<b>Price 3</b>	1 to 49 kits: \$489.00 5-year all-in price includes a 5-year warranty and 10% discount on data package fees. Contact for 4x fridge kit, WIC kit, 2x WIC kit, 3x WIC kit pricing.
<b>Year of base price</b>	2023		

## QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
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## VERIFICATION

<b>Verification Laboratory</b>	0013X00004MI8OaQAJ
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## PRODUCT SITES

<b>Organization name</b>	Nexleaf Analytics
<b>Address</b>	Global Innovation Park CP-07 IMT Manesar Rd Road name & number: Sector 8, Imt Manesar, Manesar Delhi India

<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	31 May 2026
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	<b>LM Pro IN031</b>
<b>IMD-PQS Code:</b>	E006-092
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	15 May 2023
<b>Appliance type:</b>	E006
<b>Product description:</b>	Irreversible Freeze Indicator
<b>Manufacturer:</b>	G-Tek Corporation Private Limited
<b>Manufacturers Reference:</b>	LM Pro IN031
<b>Country of Manufacture:</b>	India
<b>Address:</b>	Gunaji House", Plot No. 25/1, Besides Status Bungalow, Padra Road, Vadodara Gujarat India
<b>Telephone:</b>	+91 98 242 61702
<b>Email:</b>	<a href="mailto:sonam.chauhan@gtek-india.com">sonam.chauhan@gtek-india.com</a>
<b>Website address:</b>	<a href="http://www.gtek-india.com">www.gtek-india.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>External dimensions height (mm)</b>	13.00
<b>External dimensions length (mm)</b>	70.00	<b>External dimensions width (mm)</b>	35.00
<b>Material</b>	Polycarbonate plastic	<b>Fixing mechanism</b>	None
<b>CE marking</b>	Yes	<b>Minimum working temperature (°C)</b>	-20.00
<b>Maximum working temperature (°C)</b>	50.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	Lithium Coin Cell Battery	<b>Battery shelf life (year)</b>	3
<b>Activated battery life</b>	42 months	<b>Alarm type</b>	NA
<b>Memory capacity (readings)</b>	38000.00	<b>User interface</b>	LCD
<b>Display medium</b>	LCD	<b>Recording medium</b>	Electronic

<b>Comments</b>	1) Device is delivered in sleep mode. (2) Activate the device by long press of key for 10 seconds. (3) Ensure the display Shows a check mark/tick mark before placing it with vaccine (4) If the device is exposed to temperature of -0.5 °C, ± 0.5 °C for 60 minutes ± 5 minutes (or as specified for the TYPE A/B/C), alarm is activated and display shows "X". This is irreversible. (5) For more details refer to the Quick start guide. Memory size: 38,000 data points
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.0072	<b>Weight per Package (Kg)</b>	0.0300
<b>Weight per Unit (Kg)</b>	5.0000	<b>Minimum order</b>	100.00
<b>Incoterms</b>	EXW	<b>Price 1</b>	\$6 for 100 units
<b>Year of base price</b>	2023		

### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
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### PRODUCT SITES

<b>Organization name</b>	G-Tek Corporation Private Limited
<b>Address</b>	Gunaji House", Plot No. 25/1, Besides Status Bungalow, Padra Road, Vadodara Gujarat India

<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	Fridge-tag 2L
<b>IMD-PQS Code:</b>	E006-093
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	16 May 2023
<b>Appliance type:</b>	E006
<b>Product description:</b>	30-Day Electronic Temperature logger
<b>Manufacturer:</b>	Berlinger & Co. AG
<b>Manufacturers Reference:</b>	Fridge-tag 2L
<b>Country of Manufacture:</b>	Malaysia
<b>Address:</b>	Mitteldorfstrasse 2, CH-9608 Ganterschwil, Switzerland Switzerland
<b>Telephone:</b>	+41 (71) 982 88 11
<b>Email:</b>	<a href="mailto:info@berlinger.com">info@berlinger.com</a>
<b>Website address:</b>	<a href="http://www.berlinger.com">http://www.berlinger.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	5.00
<b>External dimensions height (mm)</b>	19.00	<b>External dimensions length (mm)</b>	128.00
<b>External dimensions width (mm)</b>	75.00	<b>Material</b>	Plastic housing
<b>Fixing mechanism</b>	None	<b>CE marking</b>	Yes

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	Lithium Button Cell	<b>Battery shelf life (year)</b>	1 year
<b>Activated battery life</b>	24 months	<b>Alarm type</b>	NA
<b>User interface</b>	LCD display	<b>Recording medium</b>	Not applicable

<b>Comments</b>	Fridge-tag 2L is the temperature monitor for medical refrigerators or freezers. It measures the ambient temperature every minute and immediately issues an alert when the alarm limit is exceeded. The audio and visual alarm on the display enables immediate decision making. Accurate temperature data from the last 60 days is presented in a PDF, which is automatically generated when the device is connected to a computer, without additional software. The Fridge-tag 2L is also available with a removable external temperature sensor (measures down to -40°C / -40°F). Default configurations are Type 1 and Type 2 (as per TR06.4); other configurations are also possible. The Fridge Tag 2L has been verified to be compatible with: - Berlinger SmartView software - the free Varo app - the free Pogo LT app - Open mSupply (LMIS solution) Discounts apply for large orders		
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### PRICE AND SHIPPING

<b>Shipping weight per carton(kg)</b>	8	<b>Shipping volume (m3)</b>	0.017
<b>Weight per Package (Kg)</b>	0.1120	<b>Units per package</b>	50.00
<b>Minimum order</b>	10.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	\$US 79.90	<b>Year of base price</b>	2023

### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
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### VERIFICATION

<b>Verification Laboratory</b>	Roth & CO AG	<b>Address</b>	asasasSwitzerland
<b>Verification Report Reference</b>	VA16-00070		

## PRODUCT SITES

<b>Organization name</b>	Berlinger & Co. AG
<b>Address</b>	Mitteldorfstrasse 2, CH-9608 Ganterschwil, Switzerland Switzerland

<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	TempSir-VC
<b>IMD-PQS Code:</b>	E006-094
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	25 Jul 2023
<b>Appliance type:</b>	E006
<b>Product description:</b>	Electronic Shipping Indicator
<b>Manufacturer:</b>	Sichuan Etomatoes Technology Co Ltd
<b>Manufacturers Reference:</b>	TempSir-VC
<b>Country of Manufacture:</b>	China
<b>Address:</b>	88 Tianchen Road, High-tech West District Chengdu Sichuan China
<b>Telephone:</b>	+86 13684059332
<b>Email:</b>	<a href="mailto:cg@etomatoes.com">cg@etomatoes.com</a>
<b>Website address:</b>	<a href="http://etomatoes.com">etomatoes.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Maximum logging intervals (mins)</b>	30.00	<b>Maximum recording time (days)</b>	180.00
<b>Sensor type(s)</b>	electronic	<b>Maximum number of sensor channels</b>	1.00
<b>External dimensions height (mm)</b>	16.00	<b>External dimensions length (mm)</b>	102.50
<b>External dimensions width (mm)</b>	52.00	<b>Activation mechanism</b>	a 'start' button
<b>Material</b>	Non-corrodible plastics	<b>Fixing mechanism</b>	Adhesive
<b>CE marking</b>	Yes	<b>Minimum working temperature (°C)</b>	-30.00
<b>Maximum working temperature (°C)</b>	70.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	3 V Lithium	<b>Battery shelf life (year)</b>	2 years
<b>Activated battery life</b>	6 months	<b>Alarm type</b>	Visual;Other
<b>Alarm Type (Other)</b>	Acoustic and/or visual	<b>Memory capacity (readings)</b>	28800.00
<b>Programmability</b>	Factory Programmed	<b>User interface</b>	LCD display screen, with LEDs
<b>Display medium</b>	LCD Display	<b>Recording medium</b>	Electronic
<b>Ingress protection rating IP</b>	IP65		

<b>Comments</b>	Memory size: 28800 data points
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.001078	<b>Weight per Package (Kg)</b>	0.0570
<b>Units per package</b>	15.00	<b>Weight per Unit (Kg)</b>	0.9200
<b>Minimum order</b>	15.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	25~100 units: 18.0 USD	<b>Price 2</b>	101~500 units:17.0 USD
<b>Year of base price</b>	2023		



QUALITY STANDARD

Quality Standard	Other	Quality standard (Other)	ISO 9001:2015
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VERIFICATION

Verification Laboratory	CHEARI	Address	#29 Xia Jie Street, Xuan Wu district Beijing 100053 R. P. de ChineChina
Telephone	+86 1063162443	Email	gongcx@cheari.com
Verification Report Reference	WB-22-0018		

PRODUCT SITES

Organization name	Sichuan Etomatoes Technology Co Ltd
Address	88 Tianchen Road, High-tech West District Chengdu Sichuan China

Current PQS status:	Prequalified	Valid until:	31 May 2026
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



No image  
available

## E006: Temperature monitoring devices

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IMD-PQS Code:	E006-095
Status:	Suspended
Date of acceptance:	01 Jan 2024

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### Specifications

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Current PQS status:	<i>Suspended</i>	Valid until:
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	LM Pro IN074
<b>IMD-PQS Code:</b>	E006-096
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	02 Feb 2024
<b>Product description:</b>	Electronic Shipping Indicator
<b>Manufacturer:</b>	G-Tek Corporation Private Limited
<b>Manufacturers Reference:</b>	LM Pro IN074
<b>Country of Manufacture:</b>	India
<b>Address:</b>	Gunaji House", Plot No. 25/1, Besides Status Bungalow, Padra Road, Vadodara Gujarat India
<b>Telephone:</b>	+91 98 242 61702
<b>Email:</b>	<a href="mailto:sonam.chauhan@gtek-india.com">sonam.chauhan@gtek-india.com</a>
<b>Website address:</b>	<a href="http://www.gtek-india.com">www.gtek-india.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>External dimensions height (mm)</b>	16.00	<b>External dimensions length (mm)</b>	128.00
<b>External dimensions width (mm)</b>	60.00	<b>Material</b>	Polycarbonate plastic; non-breakable, non-corrodible
<b>Minimum working temperature (°C)</b>	-30.00	<b>Maximum working temperature (°C)</b>	60.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	Lithium Coin Cell Battery	<b>Battery shelf life (year)</b>	1
<b>Activated battery life</b>	8 years	<b>Alarm type</b>	Visual
<b>Memory capacity (readings)</b>	11520.00	<b>Programmability</b>	Factory Programmed
<b>User interface</b>	Keyboard Interface	<b>Display medium</b>	LCD display
<b>Ingress protection rating IP</b>	IP65		

<b>Comments</b>	Accuracy: $\pm 0.5^{\circ}\text{C}$ for the range $-30^{\circ}\text{C}$ to $+45^{\circ}\text{C}$ $\pm 0.7^{\circ}\text{C}$ otherwise The LMPro IN074 series are single use, cost effective and reliable Electronic Shipping Indicator in support of vaccine procurement and transport requirement. It shows if a vaccine is exposed to time-temperature limits beyond stipulated by WHO/PQS/E06/TR07.4. There are 4 models to choose from, based on the vaccines being transported – Type Prevenar, Type Rotateq, Type A/B and Type C. An electronic temperature sensor along with LCD display indicates OK symbol ""Tick"" if the product has remained within exposure limits. If the product is exposed beyond time- temperature limits as specified based on the type of vaccine, the display shows NOK symbol "Cross". It stores the data up to 40 days and user can see the history data of entire journey of vaccine using keyboard and display. For easy photocopying, the display is non-flashing. It is accompanied by a Shipment Information Card. User can generate the pdf report which provides a detailed temperature history of the trip for transportation records. Time stamps on alarm events allow supply chain partners to analyze variability and institute corrective measures based on elapsed time. All the parameters and alarm limits are pre-configured as per the requirement of guidelines. It comes with individual NABL traceable calibration certificate.
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### PRICE AND SHIPPING

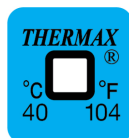
<b>Shipping weight per carton(kg)</b>	8	<b>Shipping volume (m3)</b>	0.038
<b>Units per package</b>	30.00	<b>Minimum order</b>	1.00

<b>Price 1</b>	For 1-10 units US\$21 per unit	<b>Price 2</b>	For 101-250 units US\$18.5 per unit
<b>Price 3</b>	For more than 250 units: Consult Factory	<b>Year of base price</b>	2024
<b>QUALITY STANDARD</b>			
<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
<b>VERIFICATION</b>			
<b>Verification Laboratory</b>	0013X00004M8OIQAJ	<b>Verification Report Reference</b>	LLTPL/TL/2023-10/01
<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	Thermax Encap 40C
<b>IMD-PQS Code:</b>	E006-097
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	11 Jul 2024
<b>Product description:</b>	Threshold Indicator 40
<b>Manufacturer:</b>	Thermographic Measurements, Ltd (Spotsee)
<b>Manufacturers Reference:</b>	Thermax Encap 40C
<b>Country of Manufacture:</b>	United States of America
<b>Address:</b>	Riverside Buildings CH5 4DS Dock Road Industrial Estate, Connahs Quay United Kingdom of Great Britain and Northern Ireland
<b>Telephone:</b>	01244818348
<b>Email:</b>	<a href="mailto:mmcwilliams@spotsee.io">mmcwilliams@spotsee.io</a>
<b>Website address:</b>	<a href="http://www.spotsee.io">www.spotsee.io</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Chemical	<b>External dimensions height (mm)</b>	12.00
<b>External dimensions length (mm)</b>	13.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	1.00	<b>Power source</b>	Passive device
<b>Comments</b>	The Thermax Encap is a single-use, self-adhesive surface temperature indicator that responds within seconds with a visual white to gray/black color change when the defined temperature threshold has been met or exceeded. Minimum order: 5 packs or 1 roll		

### PRICE AND SHIPPING

<b>Units per package</b>	50.00	<b>Minimum order</b>	5.00
<b>Price 1</b>	On request to manufacturer	<b>Year of base price</b>	2024

### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
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### VERIFICATION

<b>Verification Laboratory</b>	CEMAFROID SAS	<b>Address</b>	5 Avenue des Pres CS 20029 F94 266 Fresnes Cedex FranceFrance
<b>Telephone</b>	+33 1 49 84 84 84	<b>Email</b>	<a href="mailto:gerald.cavalier@cemafroid.fr">gerald.cavalier@cemafroid.fr</a>
<b>Current PQS status:</b>	Prequalified	<b>Valid until:</b>	31 May 2026

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	Frigga V5
<b>IMD-PQS Code:</b>	E006-098
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	30 Sep 2024
<b>Product description:</b>	30 day electronic refrigerator temperature logger
<b>Manufacturer:</b>	Shanghai Dewav IoT Technology Co. , Ltd.
<b>Manufacturers Reference:</b>	Frigga V5
<b>Country of Manufacture:</b>	China
<b>Telephone:</b>	+86 21 58820022
<b>Email:</b>	<a href="mailto:lian.nie@dewav.com">lian.nie@dewav.com</a>
<b>Website address:</b>	<a href="http://www.friggatech.com">www.friggatech.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>External dimensions height (mm)</b>	103.00	<b>External dimensions length (mm)</b>	613.00
<b>External dimensions width (mm)</b>	23.00	<b>Material</b>	Plastic housing
<b>Minimum working temperature (°C)</b>	-30.00	<b>Maximum working temperature (°C)</b>	70.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	Lithium battery	<b>Battery shelf life (year)</b>	1
<b>Activated battery life</b>	4 Months	<b>Alarm type</b>	Visual
<b>Memory capacity (readings)</b>	28800.00	<b>Programmability</b>	User Programmed
<b>User interface</b>	Display	<b>Display medium</b>	Display
<b>Ingress protection rating IP</b>	IP64		

<b>Comments</b>	User-programmable real time temperature data logger (Type 1) Accuracy: $\pm 0.5^{\circ}\text{C}$ ( $-20^{\circ}\text{C}$ ~ $+40^{\circ}\text{C}$ ); $\pm 1^{\circ}\text{C}$ other range 1. Real-Time Temperature Monitor 2. Real-time alerts to receivers via Email, SMS, APP (Android and iOS) 3. Dual system design: PDF report can be downloaded via USB port or remotely through the Frigga cloud platform 4. Large-capacity local storage, keep recording and storing data in offline mode. Zero data loss. 5. Support remote parameter setting, modify alarm threshold, etc. Digital display, easy to use.
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### PRICE AND SHIPPING

<b>Shipping weight per carton(kg)</b>	8	<b>Shipping volume (m3)</b>	0.028
<b>Units per package</b>	60.00	<b>Minimum order</b>	1.00
<b>Incoterms</b>	EXW	<b>Price 1</b>	1~100 unit:199 USD
<b>Price 2</b>	101~500 unit:189 USD	<b>Price 3</b>	>500 unit:On request to manufacturer
<b>Year of base price</b>	2024		

### QUALITY STANDARD

<b>Quality Standard</b>	Other	<b>Quality standard (Other)</b>	ISO 9001:2015
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### VERIFICATION

<b>Verification Laboratory</b>	CHEARI	<b>Address</b>	#29 Xia Jie Street, Xuan Wu district Beijing 100053 R. P. de ChineChina
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<b>Telephone</b>	+86 1063162443	<b>Email</b>	gongcx@cheari.com
<b>Verification Report Reference</b>	WB-23-0163		
<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	<b>VaxTag +</b>
<b>IMD-PQS Code:</b>	E006-099
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	07 Oct 2024
<b>Product description:</b>	30 day temperature logger
<b>Manufacturer:</b>	LogTag North America Inc.
<b>Manufacturers Reference:</b>	VaxTag +
<b>Country of Manufacture:</b>	Vietnam
<b>Address:</b>	TongFuYu Industrial Zone, Block NO.8, Jinghong Road, Shajing Town, Baoan 518117 ShenZhen, GuangDong China
<b>Telephone:</b>	+64 9 448 2311
<b>Email:</b>	<a href="mailto:sales@logtagrecorders.com">sales@logtagrecorders.com</a>
<b>Website address:</b>	<a href="http://www.logtagrecorders.com">www.logtagrecorders.com</a>
<b>Valid until:</b>	31 May 2025

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Maximum logging intervals (mins)</b>	1.00
<b>External dimensions height (mm)</b>	10.70	<b>External dimensions length (mm)</b>	8.60
<b>External dimensions width (mm)</b>	54.50	<b>Material</b>	Polycarbonate
<b>Minimum working temperature (°C)</b>	-30.00	<b>Maximum working temperature (°C)</b>	65.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	Lithium Button Cell	<b>Battery shelf life (year)</b>	4
<b>Activated battery life</b>	24	<b>Alarm type</b>	Visual
<b>Memory capacity (readings)</b>	16129.00	<b>Programmability</b>	Factory Programmed
<b>User interface</b>	Push button operation	<b>Display medium</b>	Built-in LCD
<b>Ingress protection rating IP</b>	IP65		

<b>Comments</b>	Minimum logging interval: 30 seconds (fixed at 6 minutes for type 1) LogTag® vaxtag+ is an advanced temperature monitoring device specifically designed for the safe storage of vaccines in healthcare facilities and intermediate storage areas. Fully compliant with World Health Organization (WHO) standards under PQS specification E006/TR06.4, the vaxtag+ monitors storage conditions to safeguard vaccine integrity. The vaxtag+ stores up to 16,129 temperature readings to ensure the continuous monitoring for up to 67 days using the 6 minute logging interval. Default configuration is Type 1 (as per TR06.4); other configurations are also possible. Users can easily inspect violation history directly on the display or view charts and statistics, downloading the on-board PDF via the built-in USB connector. The data is compatible with the free LogTag Analyzer software, which allows users to visualize data in various formats, facilitating effective data management and archiving. The LCD display provides a clear view of current and historical temperature readings, including a 30-day summary of the highest and lowest temperatures. The vaxtag+ is also supported by LogTag Online, LogTag's 21CFRPart11 compliant data management system. Trust the reliability of the LogTag® vaxtag+ to maintain the safety and efficacy of your vaccination programs.
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### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.0051	<b>Units per package</b>	50.00
<b>Minimum order</b>	20.00	<b>Incoterms</b>	EXW
<b>Price 1</b>	20- 99 unit:40.80 USD	<b>Price 2</b>	> 100 unit:on request to manufacturer
<b>Year of base price</b>	2024		



QUALITY STANDARD

Quality Standard	Other	Quality standard (Other)	ISO 9001:2015
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VERIFICATION

Verification Laboratory	0013X00004MI8OaQAJ	Verification Report Reference	A66604, Issue1
Current PQS status:	Prequalified	Valid until:	31 May 2025

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	<b>LMPPro T051</b>
<b>IMD-PQS Code:</b>	E006-100
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	25 Nov 2024
<b>Product description:</b>	User-programmable temperature data logger
<b>Manufacturer:</b>	G-Tek Corporation Private Limited
<b>Manufacturers Reference:</b>	LMPPro T051
<b>Country of Manufacture:</b>	India
<b>Address:</b>	Gunaji House", Plot No. 25/1, Besides Status Bungalow, Padra Road, Vadodara Gujarat India
<b>Telephone:</b>	+91 98 242 61702
<b>Email:</b>	<a href="mailto:sonam.chauhan@gtek-india.com">sonam.chauhan@gtek-india.com</a>
<b>Website address:</b>	<a href="http://www.gtek-india.com">www.gtek-india.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	0.00
<b>External dimensions height (mm)</b>	95.50	<b>External dimensions length (mm)</b>	13.80
<b>External dimensions width (mm)</b>	45.00	<b>Material</b>	Polycarbonate plastic; non-breakable, non-corrodible
<b>Minimum working temperature (°C)</b>	-30.00	<b>Maximum working temperature (°C)</b>	60.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Power source</b>	Other	<b>Power Source (Other)</b>	Lithium Coin Cell Battery
<b>Battery type</b>	User Replaceable 3.0 V 225 mAH; CR2032 Panasonic	<b>Battery shelf life (year)</b>	1
<b>Activated battery life</b>	12 months	<b>Alarm type</b>	Visual
<b>Memory capacity (readings)</b>	50000.00	<b>Programmability</b>	User Programmed
<b>User interface</b>	Keyboard interface	<b>Ingress protection rating IP</b>	IP 54

<b>Comments</b>	± 0.5 °C for -20 to +30 °C ± 0.7 °C Otherwise LMPPro T051 User Programmable Temperature Data logger is an Internal sensor data logger meeting the requirements of WHO PQS E006/TR05.1. It can store up to 50000 data records. User can fully configure parameters like – Start delay, alarm high/low with corresponding alarm delay, alarm event type- single/cumulative, temperature unit, UTC time zone, store interval, Batch type- Stop on full or memory rollover etc. User can also set the information like, username and job description. It displays OK symbol "Tick" if the temperature has remained within the recommended limits and NOK symbol "Cross" if there are violations for the set alarm limits. User can also download data from multiple data loggers in single file and generate report in pdf format or export data as a csv file.
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### PRICE AND SHIPPING

<b>Shipping weight per carton(kg)</b>	2.5	<b>Shipping volume (m3)</b>	0.018
<b>Units per package</b>	25.00	<b>Minimum order</b>	1.00
<b>Incoterms</b>	EXW	<b>Price 1</b>	For 1-10 units US\$49 per unit
<b>Price 2</b>	For 100-250 units US\$34 per unit	<b>Price 3</b>	For more than 250 units :Consult Factory
<b>Year of base price</b>	2024		

QUALITY STANDARD

Quality Standard	Other	Quality standard (Other)	ISO 9001:2015
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VERIFICATION

Verification Laboratory	0013X00004MI8OIQAJ	Verification Report Reference	LLTPL/TL/2024-02/01
Current PQS status:	Prequalified	Valid until:	31 May 2026

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	<b>LMPPro FZT (Type-1)</b>
<b>IMD-PQS Code:</b>	E006-101
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	28 Mar 2025
<b>Manufacturer:</b>	G-Tek Corporation Private Limited
<b>Manufacturers Reference:</b>	LMPPro FZT (Type-1)
<b>Country of Manufacture:</b>	India
<b>Address:</b>	Gunaji House", Plot No. 25/1, Besides Status Bungalow, Padra Road, Vadodara Gujarat India
<b>Telephone:</b>	+91 98 242 61702
<b>Email:</b>	<a href="mailto:sonam.chauhan@gtek-india.com">sonam.chauhan@gtek-india.com</a>
<b>Website address:</b>	<a href="http://www.gtek-india.com">www.gtek-india.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Electronic	<b>Minimum logging intervals (mins)</b>	1.00
<b>Maximum logging intervals (mins)</b>	4.00	<b>Maximum recording time (days)</b>	60.00
<b>Sensor type(s)</b>	Integrated Thermistor 10K NTC	<b>Maximum number of sensor channels</b>	1.00
<b>External dimensions height (mm)</b>	2.20	<b>External dimensions length (mm)</b>	12.80
<b>External dimensions width (mm)</b>	6.00	<b>Activation mechanism</b>	Device activation by long press of "Up" key for about 2 seconds. Please refer to the operating manual for more details.
<b>Material</b>	Polycarbonate plastic; non-breakable, non-corrodible housing	<b>Fixing mechanism</b>	Screw mounted (2 holes (M4 screw) provided on enclosure)
<b>Associated system components</b>	USB cable and Device calibration certificate	<b>CE marking</b>	Compliant
<b>Minimum working temperature (°C)</b>	-30.00	<b>Maximum working temperature (°C)</b>	60.00

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Non-replaceable battery
<b>Battery type</b>	3.0 V 950 mAh; CR2477 Panasonic (or Equivalent) Lithium Coin Cell Battery	<b>Battery shelf life (year)</b>	5
<b>Activated battery life</b>	5	<b>Alarm function(s)</b>	Visual: In case of high/low breach, flashing temperature reading on display along with ? or ? arrow for high or low alarm with bell symbol. Alarm day markers for last 30 days on LCD display.
<b>Alarm type</b>	Visual	<b>Memory capacity (readings)</b>	17280.00
<b>Programmability</b>	Factory Programmed	<b>User interface</b>	Keyboard interface
<b>Display medium</b>	LCD display	<b>Recording medium</b>	Flash Memory
<b>Ingress protection rating IP</b>	IP 64		

Comments

The LMPro FZT (Type-1) Data logger is an Integrated Sensor 30 days temperature logger meeting the requirements of WHO/PQS/E006/TR06.4 specification protocol. 1. Manual Start, by pressing “Up” key for about 2 seconds. 2. Start delay of 30 minutes 3. Once started device cannot be stopped 4. Device can be PAUSED to exclude data from alarm, min/max statistics for 15 minutes while recording will continues, auto resume from PAUSE after 15 minutes 5. Direct PDF/CSV Summary Report of maximum 60 days can be generated by connecting the device with PC using USB2.0 Type C data cable 6. User can view last 30 days of history data on the device display using keyboard 7. Total of 60 days of storage 8. Memory Roll-over after 60 days of storage 9. Multi digit, character LCD display to indicate various functions, parameters and values 10. Display dimension: 22 x 42 mm; 0.35” HTN Reflective 11. Display Auto-off; after 20 seconds of non-access of Keyboard 12. LED status indicator for RUN mode 13. Three front panel keys to perform various functions For more details refer to the operating manual and quick start guide Additional product information: Accuracy: ± 0.5 °C for the range -30 °C to + 30 °C ± 0.7 °C otherwise. Memory size: 30 days overview on the display/ PDF report up to 60 days at store interval of 5 minutes.

PRICE AND SHIPPING

Shipping volume (m3)	0.049	Weight per Package (Kg)	9.0000
Units per package	40.00	Weight per Unit (Kg)	0.1000
Minimum order	1.00	Incoterms	EXW
Price 1	For 1-100 units US\$65 per unit	Price 2	For 101-250 units: Consult Factory
Price 3	For more than 250 units: Consult Factory	Year of base price	2025

QUALITY STANDARD

Quality Standard	Other	Quality standard (Other)	ISO 9001:2015; ISO 14001:2015
Specification Reference	E006/TR06.4		

VERIFICATION

Verification Laboratory	0013X00004MI8OIQAJ	Verification Report Reference	PQS verification protocol E006/TR06.VP.4 Lisaline Lifescience Technologies Pvt. Ltd., PQS report no.: LLTPL/TL/2024-08/01 (Issued date: 30th August 2024)
Current PQS status:	Prequalified	Valid until:	31 May 2026

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



## E006: Temperature monitoring devices



<b>Product name:</b>	ColdTrace Transport
<b>IMD-PQS Code:</b>	E006-102
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	05 Aug 2025
<b>Manufacturer:</b>	Nexleaf Analytics
<b>Manufacturers Reference:</b>	ColdTrace Transport
<b>Country of Manufacture:</b>	India
<b>Address:</b>	Global Innovation Park CP-07 IMT Manesar Rd Road name & number: Sector 8, Imt Manesar, Manesar Delhi India
<b>Telephone:</b>	+91 8882223132
<b>Email:</b>	<a href="mailto:info@nexleaf.org.invalid">info@nexleaf.org.invalid</a>
<b>Website address:</b>	<a href="https://www.vvdntech.com">https://www.vvdntech.com</a>
<b>Valid until:</b>	31 May 2026

## Specifications

### PRODUCT SPECIFICATIONS - MAIN

<b>Mode of operation</b>	Other	<b>Mode of operation (Other)</b>	Wireless Bluetooth transmission to mobile app + cloud upload
<b>Minimum logging intervals (mins)</b>	1.00	<b>Maximum logging intervals (mins)</b>	60.00
<b>Maximum recording time (days)</b>	125.00	<b>Sensor type(s)</b>	Single Internal Electronic Temperature Sensor
<b>Maximum number of sensor channels</b>	1.00	<b>External dimensions height (mm)</b>	70.00
<b>External dimensions length (mm)</b>	54.00	<b>External dimensions width (mm)</b>	30.00
<b>Activation mechanism</b>	Power button	<b>Material</b>	Polycarbonate
<b>Fixing mechanism</b>	Cradle with 3M VHB Tape and zip tie	<b>Associated system components</b>	ColdTrace Toolkit and Transport Apps, ColdTrace Analytics dashboard
<b>CE marking</b>	Yes	<b>Minimum working temperature (°C)</b>	-30.00
<b>Maximum working temperature (°C)</b>	55.00		

### MECHANICAL AND ELECTRONIC DEVICES ONLY

<b>Accuracy (+/- °C)</b>	0.50	<b>Power source</b>	Replaceable battery
<b>Battery type</b>	Manganese dioxide lithium battery	<b>Battery shelf life (year)</b>	7
<b>Activated battery life</b>	60 months	<b>Alarm function(s)</b>	Mobile alerts, visual LED status
<b>Alarm type</b>	Other	<b>Alarm Type (Other)</b>	LED indicators + in-app notification
<b>Memory size (Mb)</b>	0.2560000000	<b>Memory capacity (readings)</b>	18135.00
<b>Programmability</b>	Other	<b>Programmability (Other)</b>	Configurable via mobile app
<b>User interface</b>	LED indicators, button, and Android app (ColdTrace Toolkit app & ColdTrace Transport app)	<b>Display medium</b>	Smartphone screen & LED indicators
<b>Recording medium</b>	Internal flash memory	<b>Ingress protection rating IP</b>	IP67

<b>Comments</b>	ColdTrace Transport extends Nexleaf's remote temperature monitoring capabilities into the vaccine distribution segment, providing real-time visibility during transport. The system consists of a compact Bluetooth Low Energy (BLE) sensor placed inside vaccine carriers, which transmits data to a smartphone application. This enables continuous temperature logging at up to 1-minute intervals, immediate alerts for temperature excursions, and GPS-tagged trip summaries. The sensor is accurate to $\pm 0.5^{\circ}\text{C}$ and operates on a long-life lithium battery designed to last up to 5 years under typical usage. The mobile app allows users to view historical reports, manage device configurations, and integrates seamlessly with the ColdTrace Analytics platform for centralized oversight. Designed for ease of use, durability, and scalability, ColdTrace Transport supports ministries in optimizing vaccine handling, route planning, and transport equipment performance closing a critical visibility gap in the last mile of immunization efforts. Unlimited run time (until batteries run out), old data is overwritten after 125 days at 10 min sampling interval		
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#### PRICE AND SHIPPING

<b>Shipping weight per carton(kg)</b>	0.063	<b>Shipping volume (m3)</b>	2.1E-4
<b>Weight per Package (Kg)</b>	0.1000	<b>Units per package</b>	1.00
<b>Incoterms</b>	EXW	<b>Price 1</b>	USD 119 (Inclusive of Access to app & dashboard)
<b>Year of base price</b>	2025		

#### QUALITY STANDARD

<b>Quality Standard</b>	ISO 9001: 2000;Other	<b>Quality standard (Other)</b>	ISO 14001:2015, Calibration Certificate, WEEE, CE Cert, EMC
<b>Specification Reference</b>	E006/TR05.1		

#### VERIFICATION

<b>Verification Laboratory</b>	0013X00004MI8OaQAJ	<b>Verification Report Reference</b>	CE-JOB-NDA-24-001717-001
<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2026</i>

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.