



E006

Temperature Monitoring Devices

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](#)

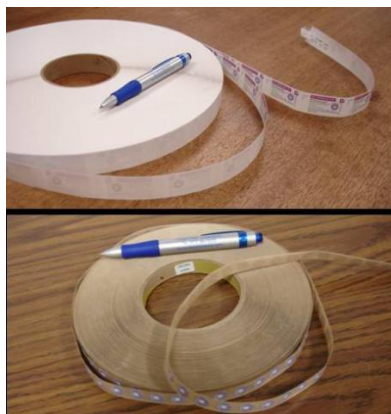
[Evidence brief: Temperature monitoring study: a fully documented process to detect weaknesses in the supply chain](#)

[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



Product name:	HEATmarker® VVM 2
IMD-PQS Code:	E006-001
Status:	Prequalified
Date of acceptance:	30 Sep 2007
Appliance type:	E006
Product description:	Vaccine vial monitor
Manufacturer:	Zebra Technologies International
Manufacturers Reference:	HEATmarker® VVM 2
Country of Manufacture:	United States of America
Address:	116 The American Road, Morris Plains, NJ, 07950, United States United States of America
Telephone:	+1 973 630 6000
Email:	tempmonitoring@zebra.com
Website address:	www.zebra.com/tempmonitoring
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Mode of operation	Chemical	External dimensions height (mm)	10.00
Activation mechanism	Always active	VVM Type	VVM2
Fixing mechanism	Adhesive	Time to endpoint at 37°C (days)	2.00
Time to endpoint at 5°C (days)	225.00		

Comments	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 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

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

QUALITY STANDARD

Quality Standard	ISO 13485;Other	Quality standard (Other)	ISO 9001:2015
Specification Reference	Applicable PQS specification: E006/IN.05.4 Applicable PQS VP(s): E006/IN.05 VP.4		

VERIFICATION

Verification Report Reference	A65155
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PRODUCT SITES

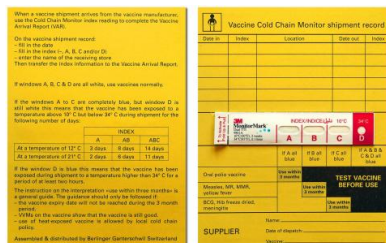
Organization name	Zebra Technologies International
Address	116 The American Road, Morris Plains, NJ, 07950, United States United States of America

Current PQS status:	Prequalified	Valid until:	31 May 2027
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



E006: Temperature monitoring devices



Product name:	Vaccine cold chain monitor shipment record
IMD-PQS Code:	E006-004
Status:	Prequalified
Date of acceptance:	30 Sep 2007
Appliance type:	E006
Product description:	Cold chain monitor
Manufacturer:	Berlinger & Co. AG
Manufacturers Reference:	Vaccine cold chain monitor shipment record
Country of Manufacture:	Switzerland
Address:	Mitteldorfstrasse 2, Ganterschwil Sankt Gallen Switzerland
Telephone:	+41 (71) 982 88 11
Email:	info@berlinger.com
Website address:	http://www.berlinger.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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

Shipping volume (m3)	0.01	Weight per Package (Kg)	0.0060
Units per package	250.00	Weight per Unit (Kg)	1.8400
Minimum order	500.00	Incoterms	FCA
Price 1	Price at 500 units: 7.10 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/IN02.1 Applicable PQS VP(s): E006/IN02-VP.1		

PRODUCT SITES

Organization name	Berlinger & Co. AG
Address	Mitteldorfstrasse 2, Ganterschwil Sankt Gallen Switzerland

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	Logtag TRIX-8
IMD-PQS Code:	E006-006
Status:	Prequalified
Date of acceptance:	22 Jan 2008
Appliance type:	E006
Product description:	User-programmable temperature data logger
Manufacturer:	LogTag North America Inc.
Manufacturers Reference:	Logtag TRIX-8
Country of Manufacture:	China
Address:	Unit 10, 10 Millpond Drive Lafayette New Jersey United States of America
Telephone:	+64 9 448 2311
Email:	quality@logtagrecorders.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Mode of operation	Electronic	Minimum logging intervals (mins)	0.50
Sensor type(s)	Integrated in the case of the device	Maximum sensor lead length (metres)	0.00
Maximum number of sensor channels	1.00	External dimensions height (mm)	85.00
External dimensions length (mm)	54.00	External dimensions width (mm)	8.50
Activation mechanism	On the device	Material	Polycarbonate
Fixing mechanism	None	CE marking	Yes
Minimum working temperature (°C)	-40.00	Maximum working temperature (°C)	85.00

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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

Shipping volume (m3)	0.0051	Weight per Package (Kg)	0.0350
Units per package	50.00	Weight per Unit (Kg)	1.9000
Minimum order	20.00	Incoterms	EXW

Price 1	20-99 units: 27.40 €	Price 2	100+ units: on request to manufacturer
Year of base price	2013		
QUALITY STANDARD			
Quality Standard	Other	Quality standard (Other)	ISO 9001:2008
Specification Reference	Applicable PQS specification: E006/TR05.1 Applicable PQS VP(s): E006/TR05-VP.1		
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	TUV 21123235_001		
PRODUCT SITES			
Organization name	LogTag North America Inc.		
Address	Lot CN-01, Dong Van IV Industrial Zone, Dai Cuong Commune, Kim Bang District Ha Nam Province Hà Nam Viet Nam		
Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</i>

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



E006: Temperature monitoring devices



Product name:	Freeze-tag
IMD-PQS Code:	E006-007
Status:	Prequalified
Date of acceptance:	27 May 2008
Appliance type:	E006
Product description:	Other
Manufacturer:	Berlinger & Co. AG
Manufacturers Reference:	Freeze-tag
Country of Manufacture:	Malaysia
Address:	Mitteldorfstrasse 2, Ganterschwil Sankt Gallen Switzerland
Telephone:	+41 (71) 982 88 11
Email:	info@berlinger.com
Website address:	http://www.berlinger.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Mode of operation	Electronic	Sensor type(s)	Electronic
Maximum sensor lead length (metres)	0.00	Maximum number of sensor channels	0.00
External dimensions height (mm)	10.50	External dimensions length (mm)	50.00
External dimensions width (mm)	31.00	Activation mechanism	Always active
Material	ABS	Fixing mechanism	None
CE marking	Yes	Minimum working temperature (°C)	-20.00
Maximum working temperature (°C)	50.00		

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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 then 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

Shipping volume (m3)	0.031	Weight per Package (Kg)	0.0140
Units per package	500.00	Weight per Unit (Kg)	7.5000
Minimum order	500.00	Incoterms	FCA
Price 1	8.90 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/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, Ganterschwil Sankt Gallen Switzerland

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	FreezeAlert TM
IMD-PQS Code:	E006-009
Status:	Prequalified
Date of acceptance:	03 Mar 2009
Appliance type:	E006
Product description:	Other
Manufacturer:	Sensitech Inc.
Manufacturers Reference:	FreezeAlert TM
Country of Manufacture:	China
Address:	800 Cummings Center, Suite 258X Beverly Massachusetts United States of America
Telephone:	+1 978 - 927- 7033
Email:	sensitech.clientservicesemea@carrier.com
Website address:	http://www.sensitech.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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

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

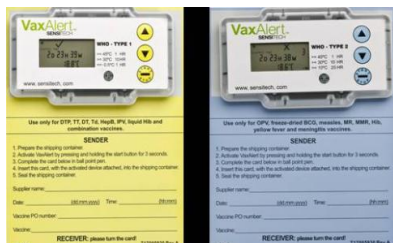
QUALITY STANDARD

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	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	S09EEC00004/C/BL/CEG Feb 2009		
PRODUCT SITES			
Organization name	Sensitech Inc.		
Address	800 Cummings Center, Suite 258X Beverly Massachusetts United States of America		
Current PQS status:	Prequalified	Valid until:	31 May 2027

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



E006: Temperature monitoring devices



Product name:	VaxAlert TM
IMD-PQS Code:	E006-010
Status:	Prequalified
Date of acceptance:	05 Aug 2009
Appliance type:	E006
Product description:	40 day electronic shipping indicator
Manufacturer:	Sensitech Inc.
Manufacturers Reference:	VaxAlert TM
Country of Manufacture:	China
Address:	800 Cummings Center, Suite 258X Beverly Massachusetts United States of America
Telephone:	+1 978 - 927- 7033
Email:	sensitech.clientservicesemea@carrier.com
Website address:	http://www.sensitech.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Mode of operation	Electronic	Minimum logging intervals (mins)	1.00
Maximum recording time (days)	40.00	Sensor type(s)	Electronic thermistor
Maximum sensor lead length (metres)	0.00	Maximum number of sensor channels	0.00
External dimensions height (mm)	17.50	External dimensions length (mm)	98.90
External dimensions width (mm)	58.00	Activation mechanism	push button
Material	ABS	Fixing mechanism	None
CE marking	Yes	Minimum working temperature (°C)	-30.00
Maximum working temperature (°C)	55.00		

MECHANICAL AND ELECTRONIC DEVICES ONLY

Accuracy (+/- °C)	0.50	Power source	Non-replaceable battery
Battery type	Not replaceable single use	Battery shelf life (year)	3
Activated battery life	Minimum 20 days	Alarm type	Visual
Programmability	Factory Programmed	User interface	Device itself
Display medium	LCD	Recording medium	Electronic
Ingress protection rating IP	65		

Comments	VaxalertTM is an electronic temperature indicator. It provides alarm status and alarm history. There are three types of Vaxalert (Type 1, Type 2, Type Prevmar 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

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

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

PRODUCT SITES

Organization name	Sensitech Inc.
Address	800 Cummings Center, Suite 258X Beverly Massachusetts United States of America

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	Q-Tag CLM
IMD-PQS Code:	E006-014
Status:	Prequalified
Date of acceptance:	29 Jun 2012
Appliance type:	E006
Product description:	Electronic shipping indicator
Manufacturer:	Berlinger & Co. AG
Manufacturers Reference:	Q-Tag CLM
Country of Manufacture:	Switzerland
Address:	Mitteldorfstrasse 2, Ganterschwil Sankt Gallen Switzerland
Telephone:	+41 (71) 982 88 11
Email:	info@berlinger.com
Website address:	http://www.berlinger.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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

Shipping volume (m3)	0.004	Weight per Package (Kg)	0.0300
Units per package	42.00	Weight per Unit (Kg)	1.7800
Minimum order	100.00	Incoterms	FCA
Price 1	Price at 100 units: 23.35 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	VA11-02742B		

PRODUCT SITES

Organization name	Berlinger & Co. AG
Address	Mitteldorfstrasse 2, Ganterschwil Sankt Gallen Switzerland

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	Q-Tag Quad
IMD-PQS Code:	E006-015
Status:	Prequalified
Date of acceptance:	29 Jun 2012
Appliance type:	E006
Product description:	Other
Manufacturer:	Berlinger & Co. AG
Manufacturers Reference:	Q-Tag Quad
Country of Manufacture:	Switzerland
Address:	Mitteldorfstrasse 2, Ganterschwil Sankt Gallen Switzerland
Telephone:	+41 (71) 982 88 11
Email:	info@berlinger.com
Website address:	http://www.berlinger.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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

Shipping volume (m3)	0.004	Weight per Package (Kg)	0.0160
Units per package	100.00	Weight per Unit (Kg)	1.7800
Minimum order	100.00	Incoterms	FCA

Price 1	Price at 100 units: 11.65 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/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, Ganterschwil Sankt Gallen Switzerland		
Current PQS status:	Prequalified	Valid until:	31 May 2027

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



E006: Temperature monitoring devices



Product name:	Electronic shipping logger Q-tag CLM doc
IMD-PQS Code:	E006-016
Status:	Prequalified
Date of acceptance:	07 Apr 2012
Appliance type:	E006
Product description:	Electronic shipping indicator
Manufacturer:	Berlinger & Co. AG
Manufacturers Reference:	Electronic shipping logger Q-tag CLM doc
Country of Manufacture:	Switzerland
Address:	Mitteldorfstrasse 2, Ganterschwil Sankt Gallen Switzerland
Telephone:	+41 (71) 982 88 11
Email:	info@berlinger.com
Website address:	http://www.berlinger.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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

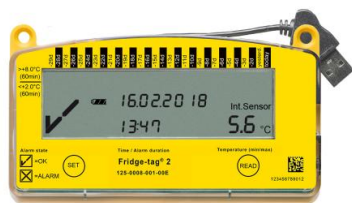
Shipping volume (m3)	0.004	Weight per Package (Kg)	0.0360
Units per package	42.00	Weight per Unit (Kg)	1.6900

Minimum order	20.00	Incoterms	FCA
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, Ganterschwil Sankt Gallen Switzerland		
Current PQS status:	Prequalified	Valid until:	31 May 2027

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



E006: Temperature monitoring devices



Product name:	Fridge-tag 2
IMD-PQS Code:	E006-020
Status:	Prequalified
Date of acceptance:	31 Jan 2013
Appliance type:	E006
Product description:	Other
Manufacturer:	Berlinger & Co. AG
Manufacturers Reference:	Fridge-tag 2
Country of Manufacture:	Switzerland
Address:	Mitteldorfstrasse 2, Ganterschwil Sankt Gallen Switzerland
Telephone:	+41 (71) 982 88 11
Email:	info@berlinger.com
Website address:	http://www.berlinger.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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	FCA
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, Ganterschwil Sankt Gallen Switzerland

Current PQS status:	Prequalified	Valid until:	31 May 2027
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



E006: Temperature monitoring devices



Product name:	TIC20 - WA/B & TIC20 - WC
IMD-PQS Code:	E006-021
Status:	Prequalified
Date of acceptance:	03 Jun 2013
Appliance type:	E006
Product description:	40 day electronic shipping indicator
Manufacturer:	LogTag North America Inc.
Manufacturers Reference:	TIC20 - WA/B & TIC20 - WC
Country of Manufacture:	China
Address:	Unit 10, 10 Millpond Drive Lafayette New Jersey United States of America
Telephone:	+64 9 448 2311
Email:	quality@logtagrecorders.com
Website address:	www.logtagrecorders.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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 ShenZhen Guangdong China

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	LIBERO CB
IMD-PQS Code:	E006-022
Status:	Prequalified
Date of acceptance:	07 Oct 2013
Appliance type:	E006
Product description:	User-programmable temperature data logger
Manufacturer:	ELPRO-BUCHS AG
Manufacturers Reference:	LIBERO CB
Country of Manufacture:	Switzerland
Address:	Langaulistrasse 45 Buchs Sankt Gallen Switzerland
Telephone:	+41 81 552 08 08
Email:	andrea.bischof@elpro.com
Website address:	http://www.elpro.com/
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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

Shipping volume (m3)	0.003	Weight per Package (Kg)	0.0380
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Units per package	40.00	Weight per Unit (Kg)	1.6700
Minimum order	40.00	Incoterms	EXW
Price 1	40+ = 31.06 USD; 120+ = 30.02USD	Price 2	600+ = 28.44; USD; 1000+ = on request
Year of base price	2023		

QUALITY STANDARD

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

VERIFICATION

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

PRODUCT SITES

Organization name	ELPRO-BUCHS AG
Address	Langaulistrasse 45 Buchs Sankt Gallen Switzerland

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	LIBERO CS
IMD-PQS Code:	E006-023
Status:	Prequalified
Date of acceptance:	07 Nov 2013
Appliance type:	E006
Product description:	User-programmable temperature data logger
Manufacturer:	ELPRO-BUCHS AG
Manufacturers Reference:	LIBERO CS
Country of Manufacture:	Switzerland
Address:	Langaulistrasse 45 Buchs Sankt Gallen Switzerland
Telephone:	+41 81 552 08 08
Email:	andrea.bischof@elpro.com
Website address:	http://www.elpro.com/
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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

Shipping volume (m3)	0.003	Weight per Package (Kg)	0.0380
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Units per package	40.00	Weight per Unit (Kg)	1.6700
Minimum order	40.00	Incoterms	EXW
Price 1	40+ = 31.06 USD; 120+ = 30.02 USD	Price 2	600+ = 28.44 USD
Price 3	1000+ = on request to manufacturer	Year of base price	2023

QUALITY STANDARD

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

VERIFICATION

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

PRODUCT SITES

Organization name	ELPRO-BUCHS AG
Address	Langaulistrasse 45 Buchs Sankt Gallen Switzerland

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	VaxAlertTM USB
IMD-PQS Code:	E006-029
Status:	Prequalified
Date of acceptance:	18 Dec 2014
Appliance type:	E006
Product description:	40 day electronic shipping indicator
Manufacturer:	Sensitech Inc.
Manufacturers Reference:	VaxAlertTM USB
Country of Manufacture:	China
Address:	800 Cummings Center, Suite 258X Beverly Massachusetts United States of America
Telephone:	+1 978 - 927- 7033
Email:	sensitech.clientservicesemea@carrier.com
Website address:	http://www.sensitech.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Mode of operation	Electronic	Minimum logging intervals (mins)	1.00
Maximum recording time (days)	40.00	Sensor type(s)	Electronic digital
Maximum sensor lead length (metres)	0.00	Maximum number of sensor channels	1.00
External dimensions height (mm)	19.60	External dimensions length (mm)	101.00
External dimensions width (mm)	56.00	Activation mechanism	Start/Stop button
Material	ABS	Fixing mechanism	None
CE marking	Yes	Minimum working temperature (°C)	-30.00
Maximum working temperature (°C)	55.00		

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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: $\pm 0.5^{\circ}\text{C}$ between -5°C and $+25^{\circ}\text{C}$ Maximum Logging Intervals: Optional up to 2 hours		
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PRICE AND SHIPPING

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

QUALITY STANDARD

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

VERIFICATION

Verification Report Reference	ACS-E14535
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PRODUCT SITES

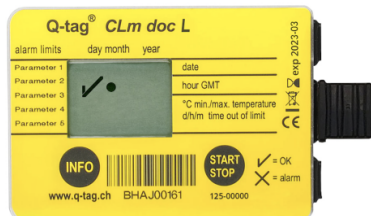
Organization name	Sensitech Inc.
Address	800 Cummings Center, Suite 258X Beverly Massachusetts United States of America

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	Q-tag® CLm doc L
IMD-PQS Code:	E006-030
Status:	Prequalified
Date of acceptance:	17 Apr 2015
Appliance type:	E006
Product description:	Electronic shipping indicator
Manufacturer:	Berlinger & Co. AG
Manufacturers Reference:	Q-tag® CLm doc L
Country of Manufacture:	Switzerland
Address:	Mitteldorfstrasse 2, Ganterschwil Sankt Gallen Switzerland
Telephone:	+41 (71) 982 88 11
Email:	info@berlinger.com
Website address:	http://www.berlinger.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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

Shipping volume (m3)	0.004	Weight per Package (Kg)	0.0360
Units per package	50.00	Weight per Unit (Kg)	1.9800

Minimum order	50.00	Incoterms	FCA
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, Ganterschwil Sankt Gallen Switzerland		
Current PQS status:	Prequalified	Valid until:	31 May 2027

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



E006: Temperature monitoring devices



Product name:	ICE3 - Model BC141
IMD-PQS Code:	E006-036e
Status:	Prequalified
Date of acceptance:	11 Nov 2015
Appliance type:	E006
Product description:	Remote temperature monitoring device
Manufacturer:	Beyond Wireless Technology (Pty) Ltd
Manufacturers Reference:	ICE3 - Model BC141
Country of Manufacture:	South Africa
Address:	Building 13, Woodlands Office Park, 20 Woodlands Drive, Woomead, Sandton Gauteng South Africa
Telephone:	+27 (0)112432960
Email:	support@beyondwireless.co.za
Website address:	http://beyondwireless.co.za/
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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

Shipping volume (m3)	0.0015	Weight per Package (Kg)	0.3000
Units per package	1.00	Weight per Unit (Kg)	0.3500
Minimum order	1.00	Incoterms	FCA
Price 1	\$300 once-off and \$360 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	Building 13, Woodlands Office Park, 20 Woodlands Drive, Woomead, Sandton Gauteng South Africa

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	Ice3-Extra-BC440
IMD-PQS Code:	E006-037
Status:	Prequalified
Date of acceptance:	11 Nov 2015
Appliance type:	E006
Product description:	Remote temperature monitoring device
Manufacturer:	Beyond Wireless Technology (Pty) Ltd
Manufacturers Reference:	Ice3-Extra-BC440
Country of Manufacture:	South Africa
Address:	Building 13, Woodlands Office Park, 20 Woodlands Drive, Woomead, Sandton Gauteng South Africa
Telephone:	+27 (0)112432960
Email:	support@beyondwireless.co.za
Website address:	http://beyondwireless.co.za/
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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	Building 13, Woodlands Office Park, 20 Woodlands Drive, Woomead, Sandton Gauteng South Africa

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	TICT-iS0°Tag
IMD-PQS Code:	E006-038
Status:	Prequalified
Date of acceptance:	25 Apr 2016
Appliance type:	E006
Product description:	Other
Manufacturer:	LogTag North America Inc.
Manufacturers Reference:	TICT-iS0°Tag
Country of Manufacture:	China
Address:	Unit 10, 10 Millpond Drive Lafayette New Jersey United States of America
Telephone:	+64 9 448 2311
Email:	quality@logtagrecorders.com
Website address:	www.logtagrecorders.com
Valid until:	31 May 2026

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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

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

QUALITY STANDARD

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

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	7191129301-EEC16/NCH		

PRODUCT SITES

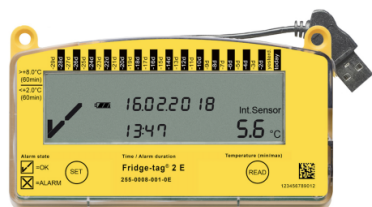
Organization name	LogTag North America Inc.		
Address	TongFuYu Industrial Zone, Block NO.8, Jinghong Road, Shajing Town, Baoan ShenZhen Guangdong China		

Current PQS status:	<i>Prequalified</i>	Valid until:	<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



Product name:	Fridge-tag 2 E
IMD-PQS Code:	E006-040
Status:	Prequalified
Date of acceptance:	30 Oct 2016
Appliance type:	E006
Product description:	Other
Manufacturer:	Berlinger & Co. AG
Manufacturers Reference:	Fridge-tag 2 E
Country of Manufacture:	Switzerland
Address:	Mitteldorfstrasse 2, Ganterschwil Sankt Gallen Switzerland
Telephone:	+41 (71) 982 88 11
Email:	info@berlinger.com
Website address:	http://www.berlinger.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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	FCA
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, Ganterschwil Sankt Gallen Switzerland

Current PQS status:	Prequalified	Valid until:	31 May 2027
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



E006: Temperature monitoring devices



Product name:	HETL-01
IMD-PQS Code:	E006-042
Status:	Prequalified
Date of acceptance:	14 Jul 2016
Appliance type:	E006
Product description:	Other
Manufacturer:	Qingdao Haier Biomedical Co., Ltd
Manufacturers Reference:	HETL-01
Country of Manufacture:	China
Address:	No.280 Fengyuan Road High-tech Zone Qingdao Shandong China
Telephone:	+86-15066227057
Email:	tianhui.yu@haierbiomedical.com
Website address:	http://www.haiermedical.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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

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

QUALITY STANDARD

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

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-16-243		

PRODUCT SITES

Organization name	Qingdao Haier Biomedical Co., Ltd		
Address	No.280 Fengyuan Road High-tech Zone Qingdao Shandong China		
Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</i>

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



E006: Temperature monitoring devices



Product name:	Weblogger II
IMD-PQS Code:	E006-043
Status:	Prequalified
Date of acceptance:	03 Mar 2017
Appliance type:	E006
Product description:	User-programmable temperature data logger
Manufacturer:	Temperature Sensitive Solutions AB
Manufacturers Reference:	Weblogger II
Country of Manufacture:	Sweden
Address:	Berzelius vag 25-27 Solna Stockholms län Sweden
Telephone:	+46 8 630 06 06
Email:	info@tss.se
Website address:	http://www.tss.se
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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

Shipping volume (m3)	0.0104	Weight per Package (Kg)	0.0360
Units per package	100.00	Weight per Unit (Kg)	4.0000
Minimum order	100.00	Incoterms	FCA
Price 1	100-250: €39	Price 2	250+: €38

Price 3	1000+: on request to manufacturer	Year of base price	2017
QUALITY STANDARD			
Quality Standard	Other	Quality standard (Other)	ISO 9001:2008
Specification Reference	Applicable PQS specification: PQS/E006/TR05.1 Applicable PQS VP(s): E006/TR05-VP.1		
PRODUCT SITES			
Organization name	Temperature Sensitive Solutions AB		
Address	Berzelius vag 25-27 Solna Stockholms län Sweden		
Current PQS status:	Prequalified	Valid until:	31 May 2027

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



E006: Temperature monitoring devices



Product name:	ITAG4
IMD-PQS Code:	E006-044
Status:	Prequalified
Date of acceptance:	10 Apr 2017
Appliance type:	E006
Product description:	User-programmable temperature data logger
Manufacturer:	TempSen Electronics Company
Manufacturers Reference:	ITAG4
Country of Manufacture:	China
Address:	Building 17, No.66 Guangfulin Rd.(E) 201613 Shanghai China
Telephone:	+862167685210
Email:	info@tempsen.com
Website address:	www.tempsen.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

PRICE AND SHIPPING

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

QUALITY STANDARD

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

PRODUCT SITES

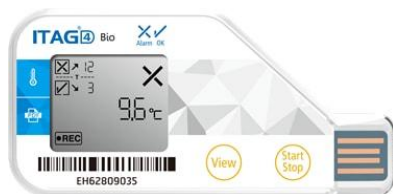
Organization name	TempSen Electronics Company
Address	Building 17, No.66 Guangfulin Rd.(E) 201613 Shanghai China

Current PQS status:	Prequalified	Valid until:	31 May 2027
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



E006: Temperature monitoring devices



Product name:	ITAG4 Bio
IMD-PQS Code:	E006-045
Status:	Prequalified
Date of acceptance:	10 Apr 2017
Appliance type:	E006
Product description:	User-programmable temperature data logger
Manufacturer:	TempSen Electronics Company
Manufacturers Reference:	ITAG4 Bio
Country of Manufacture:	China
Address:	Building 17, No.66 Guangfulin Rd.(E) 201613 Shanghai China
Telephone:	+862167685210
Email:	info@tempsen.com
Website address:	www.tempsen.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

PRICE AND SHIPPING

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

QUALITY STANDARD

Quality Standard	Other	Quality standard (Other)	ISO 9001:2008
Specification Reference	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 2027
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



E006: Temperature monitoring devices



Product name:	TempTale® Ultra
IMD-PQS Code:	E006-046
Status:	Prequalified
Date of acceptance:	10 Apr 2017
Appliance type:	E006
Product description:	User-programmable temperature data logger
Manufacturer:	Sensitech Inc.
Manufacturers Reference:	TempTale® Ultra
Country of Manufacture:	China
Address:	800 Cummings Center, Suite 258X Beverly Massachusetts United States of America
Telephone:	+1 978 - 927- 7033
Email:	sensitech.clientservicesemea@carrier.com
Website address:	http://www.sensitech.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Mode of operation	Electronic	Minimum logging intervals (mins)	0.50
Maximum logging intervals (mins)	120.00	Sensor type(s)	Digital Temperature sensor
Maximum sensor lead length (metres)	0.00	Maximum number of sensor channels	1.00
External dimensions height (mm)	12.50	External dimensions length (mm)	108.00
External dimensions width (mm)	50.00	Activation mechanism	Start button
Material	ABS	Fixing mechanism	Adhesive
CE marking	Yes	Minimum working temperature (°C)	-30.00
Maximum working temperature (°C)	70.00		

MECHANICAL AND ELECTRONIC DEVICES ONLY

Accuracy (+/- °C)	0.50	Power source	Non-replaceable battery
Battery type	3 V coin cell lithium battery	Battery shelf life (year)	1 year
Activated battery life	12 months	Alarm type	Visual
Memory size (Mb)	0.0160000000	Memory capacity (readings)	16000.00
Programmability	User Programed	User interface	LCD
Display medium	LCD	Recording medium	Electronic
Ingress protection rating IP	IP64		

PRICE AND SHIPPING

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

QUALITY STANDARD

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

Organization name	Sensitech Inc.
Address	800 Cummings Center, Suite 258X Beverly Massachusetts United States of America

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	DeltaTrak Model 40527
IMD-PQS Code:	E006-047
Status:	Prequalified
Date of acceptance:	12 Aug 2017
Appliance type:	E006
Product description:	User-programmable temperature data logger
Manufacturer:	DeltaTrak Inc.
Manufacturers Reference:	DeltaTrak Model 40527
Country of Manufacture:	United States of America
Address:	1236 Doker Drive Modesto California United States of America
Telephone:	+1 925 2492250
Email:	khadley@deltatrak.com
Website address:	http://www.deltatrak.com/
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Mode of operation	Electronic	Minimum logging intervals (mins)	0.08
Maximum logging intervals (mins)	1080.00	Sensor type(s)	Thermistor in 5 ml PETG* Sterile Bottle
Maximum sensor lead length (metres)	3.00	Maximum number of sensor channels	1.00
External dimensions height (mm)	24.00	External dimensions length (mm)	40.00
External dimensions width (mm)	93.00	Activation mechanism	Stop and Start button.
Material	ABS Plastic	Fixing mechanism	None
CE marking	Yes	Minimum working temperature (°C)	-50.00
Maximum working temperature (°C)	40.00		

MECHANICAL AND ELECTRONIC DEVICES ONLY

Accuracy (+/- °C)	0.50	Power source	Non-replaceable battery
Battery type	Two AAA lithium batteries,	Battery shelf life (year)	2 years
Activated battery life	24 months	Alarm type	Aucostic
Memory size (Mb)	0.0000320000	Memory capacity (readings)	32496.00
Programmability	Other	Programmability (Other)	Factory and user programmable
User interface	LCD + PC downloadable	Display medium	LCD
Recording medium	Electronic	Ingress protection rating IP	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°C to 25°C)

PRICE AND SHIPPING

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

QUALITY STANDARD

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

PRODUCT SITES

Organization name	DeltaTrak Inc.
Address	1236 Doker Drive Modesto California United States of America

Current PQS status:	Prequalified	Valid until:	31 May 2027
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



E006: Temperature monitoring devices



Product name:	Blulog
IMD-PQS Code:	E006-048
Status:	Prequalified
Date of acceptance:	04 Sep 2018
Appliance type:	E006
Product description:	Remote temperature monitoring device
Manufacturer:	Blulog Sp. z o.o
Manufacturers Reference:	Blulog
Country of Manufacture:	Poland
Address:	Konarzewska 4 Poznan Poland
Telephone:	+48606641176
Email:	robert.neumann@blulog.eu
Website address:	http://blulog.eu/en/
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

PRICE AND SHIPPING

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

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		

VERIFICATION

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

PRODUCT SITES

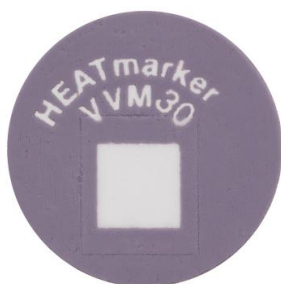
Organization name	Blulog Sp. z o.o
Address	Konarzewska 4 Poznan Poland

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	HEATmarker® VVM 30
IMD-PQS Code:	E006-050
Status:	Prequalified
Date of acceptance:	24 Mar 2007
Appliance type:	E006
Product description:	Vaccine vial monitor
Manufacturer:	Zebra Technologies International
Manufacturers Reference:	HEATmarker® VVM 30
Address:	116 The American Road, Morris Plains, NJ, 07950, United States United States of America
Telephone:	+1 973 630 6000
Email:	tempmonitoring@zebra.com
Website address:	www.zebra.com/tempmonitoring
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Mode of operation	Chemical	External dimensions height (mm)	10.00
Activation mechanism	Always active	VVM Type	VVM30
Fixing mechanism	Adhesive	Time to endpoint at 37°C (days)	30.00
Time to endpoint at 25°C (days)	193.00		
Comments	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 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		

PRICE AND SHIPPING

Incoterms	EXW	Year of base price	2007
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QUALITY STANDARD

Quality Standard	ISO 13485;Other	Quality standard (Other)	ISO 9001:2015
Specification Reference	Applicable PQS specification: E006/IN.05.4 Applicable PQS VP(s): E006/IN.05 VP.4		

VERIFICATION

Verification Report Reference	A65115
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PRODUCT SITES

Organization name	Zebra Technologies International
Address	116 The American Road, Morris Plains, NJ, 07950, United States United States of America

Current PQS status:	Prequalified	Valid until:	31 May 2027
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



E006: Temperature monitoring devices



Product name:	HEATmarker® VVM 7
IMD-PQS Code:	E006-051
Status:	Prequalified
Date of acceptance:	10 Aug 2007
Appliance type:	E006
Product description:	Vaccine vial monitor
Manufacturer:	Zebra Technologies International
Manufacturers Reference:	HEATmarker® VVM 7
Country of Manufacture:	United States of America
Address:	116 The American Road, Morris Plains, NJ, 07950, United States United States of America
Telephone:	+1 973 630 6000
Email:	tempmonitoring@zebra.com
Website address:	www.zebra.com/tempmonitoring
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Mode of operation	Chemical	External dimensions height (mm)	10.00
Activation mechanism	Always active	VVM Type	VVM7
Fixing mechanism	Adhesive	Time to endpoint at 37°C (days)	7.00
Time to endpoint at 25°C (days)	45.00		

MECHANICAL AND ELECTRONIC DEVICES ONLY

User interface	Device itself
Comments	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 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.

PRICE AND SHIPPING

Minimum order	500000.00	Incoterms	EXW
Year of base price	2007		

QUALITY STANDARD

Quality Standard	ISO 13485;Other	Quality standard (Other)	ISO 9001:2015
Specification Reference	Applicable PQS specification: E006/IN.05.4 Applicable PQS VP(s): E006/IN.05 VP.4		

VERIFICATION

Verification Laboratory	Lisaline Lifescience Technologies PVT. LTD	Address	401-D WI FI Park, Plot No B-3, Road No 1, Wagle Ind. Estate, Thane Maharashtra- 400604, IndiaIndia
Telephone	+917506044908	Email	amod.gorey@lisalineasia.com
Verification Report Reference	LLTPL/TL/2018-01/01		

PRODUCT SITES

Organization name	Zebra Technologies International		
Address	116 The American Road, Morris Plains, NJ, 07950, United States United States of America		
Current PQS status:	Prequalified	Valid until:	31 May 2027

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



E006: Temperature monitoring devices



Product name:	HEATmarker® VVM 11
IMD-PQS Code:	E006-052
Status:	Prequalified
Date of acceptance:	19 Jun 2018
Appliance type:	E006
Product description:	Vaccine vial monitor
Manufacturer:	Zebra Technologies International
Manufacturers Reference:	HEATmarker® VVM 11
Country of Manufacture:	United States of America
Address:	116 The American Road, Morris Plains, NJ, 07950, United States United States of America
Telephone:	+1 973 630 6000
Email:	tempmonitoring@zebra.com
Website address:	www.zebra.com/tempmonitoring
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Mode of operation	Chemical	External dimensions height (mm)	10.00
Activation mechanism	Always active	VVM Type	VVM11
Fixing mechanism	Adhesive	Time to endpoint at 37°C (days)	11.00
Time to endpoint at 25°C (days)	71.00		
Comments	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 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.		

PRICE AND SHIPPING

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

QUALITY STANDARD

Quality Standard	ISO 13485;Other	Quality standard (Other)	ISO 9001:2015
Specification Reference	Applicable PQS specification: E006/IN.05.4 Applicable PQS VP(s): E006/IN.05 VP.4		

VERIFICATION

Verification Laboratory	Lisaline Lifescience Technologies PVT. LTD	Address	401-D WI FI Park, Plot No B-3, Road No 1, Wagle Ind. Estate, Thane Maharashtra- 400604, IndiaIndia
Telephone	+917506044908	Email	amod.gorey@lisalineasia.com
Verification Report Reference	LLTPL/TL/2017-01/01		

PRODUCT SITES

Organization name	Zebra Technologies International
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Address	116 The American Road, Morris Plains, NJ, 07950, United States United States of America
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Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	HEATmarker@ VVM 14
IMD-PQS Code:	E006-054
Status:	Prequalified
Date of acceptance:	15 Jun 2018
Appliance type:	E006
Product description:	Vaccine vial monitor
Manufacturer:	Zebra Technologies International
Manufacturers Reference:	HEATmarker@ VVM 14
Country of Manufacture:	United States of America
Address:	116 The American Road, Morris Plains, NJ, 07950, United States United States of America
Telephone:	+1 973 630 6000
Email:	tempmonitoring@zebra.com
Website address:	www.zebra.com/tempmonitoring
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Mode of operation	Chemical	Activation mechanism	Always active
VVM Type	VVM14	Fixing mechanism	Adhesive
Time to endpoint at 37°C (days)	14.00	Time to endpoint at 25°C (days)	90.00
Comments	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 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.		

PRICE AND SHIPPING

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

QUALITY STANDARD

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

VERIFICATION

Verification Report Reference	A65115
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PRODUCT SITES

Organization name	Zebra Technologies International
Address	116 The American Road, Morris Plains, NJ, 07950, United States United States of America

Current PQS status:	Prequalified	Valid until:	31 May 2027
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



E006: Temperature monitoring devices



Product name:	LIMITmarker ® I-K
IMD-PQS Code:	E006-057
Status:	Prequalified
Date of acceptance:	27 Mar 2019
Appliance type:	E006
Product description:	Threshold indicator
Manufacturer:	Zebra Technologies International
Manufacturers Reference:	LIMITmarker ® I-K
Country of Manufacture:	United States of America
Address:	116 The American Road, Morris Plains, NJ, 07950, United States United States of America
Telephone:	+1 973 630 6000
Email:	tempmonitoring@zebra.com
Website address:	www.zebra.com/tempmonitoring
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Mode of operation	Chemical	External dimensions height (mm)	10.00
Activation mechanism	Always active	Fixing mechanism	Adhesive
Comments	* 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)		

PRICE AND SHIPPING

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

QUALITY STANDARD

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

VERIFICATION

Verification Laboratory	Lisaline Lifescience Technologies PVT. LTD	Address	401-D WI FI Park, Plot No B-3, Road No 1, Wagle Ind. Estate, Thane Maharashtra- 400604, IndiaIndia
Telephone	+917506044908	Email	amod.gorey@lisalineasia.com
Verification Report Reference	LLTPL/TL/2016-03		

PRODUCT SITES

Organization name	Zebra Technologies International		
Address	116 The American Road, Morris Plains, NJ, 07950, United States United States of America		
Current PQS status:	Prequalified	Valid until:	31 May 2027

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



E006: Temperature monitoring devices



Product name:	HEATmarker® VVM 250
IMD-PQS Code:	E006-058
Status:	Prequalified
Date of acceptance:	27 Mar 2019
Appliance type:	E006
Product description:	Vaccine vial monitor
Manufacturer:	Zebra Technologies International
Manufacturers Reference:	HEATmarker® VVM 250
Country of Manufacture:	United States of America
Address:	116 The American Road, Morris Plains, NJ, 07950, United States United States of America
Telephone:	+1 973 630 6000
Email:	tempmonitoring@zebra.com
Website address:	www.zebra.com/tempmonitoring
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Mode of operation	Chemical	External dimensions height (mm)	10.00
Activation mechanism	Always active	VVM Type	VVM250
Fixing mechanism	Adhesive	Time to endpoint at 37°C (days)	250.00
Comments	Vaccine Vial Monitor Type 250 Dot (on clear or brown liner) are made from film facestock. The service temperature range for the adhesive is typically -40°F to 160°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. 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		

PRICE AND SHIPPING

Minimum order	500000.00	Incoterms	EXW
Price 1	on request of manufacturer	Year of base price	2019

QUALITY STANDARD

Quality Standard	ISO 13485;Other	Quality standard (Other)	ISO 9001:2015
Specification Reference	Applicable PQS specification: E006/IN05.4 Applicable PQS VP(s): E003/IN05-VP.4		

VERIFICATION

Verification Laboratory	Lisaline Lifescience Technologies PVT. LTD	Address	401-D WI FI Park, Plot No B-3, Road No 1, Wagle Ind. Estate, Thane Maharashtra- 400604, IndiaIndia
Telephone	+917506044908	Email	amod.gorey@lisalineasia.com
Verification Report Reference	LLTPL/TL/2018-02		

PRODUCT SITES

Organization name	Zebra Technologies International
Address	116 The American Road, Morris Plains, NJ, 07950, United States United States of America

Current PQS status:

Prequalified

Valid until:

31 May 2027

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



E006: Temperature monitoring devices



Product name:	HEATmarker® VVM+250
IMD-PQS Code:	E006-059
Status:	Prequalified
Date of acceptance:	28 Mar 2019
Appliance type:	E006
Product description:	Combined VVM and threshold indicator
Manufacturer:	Zebra Technologies International
Manufacturers Reference:	HEATmarker® VVM+250
Country of Manufacture:	United States of America
Address:	116 The American Road, Morris Plains, NJ, 07950, United States United States of America
Telephone:	+1 973 630 6000
Email:	tempmonitoring@zebra.com
Website address:	www.zebra.com/tempmonitoring
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Mode of operation	Chemical	External dimensions height (mm)	10.00
Activation mechanism	Always active	VVM Type	VVM250+
Fixing mechanism	Adhesive	Time to endpoint at 37°C (days)	250.00
Time to endpoint at 25°C (days)	900.00		
Comments	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)		

PRICE AND SHIPPING

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

QUALITY STANDARD

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

VERIFICATION

Verification Laboratory	Lisaline Lifescience Technologies PVT. LTD	Address	401-D WI FI Park, Plot No B-3, Road No 1, Wagle Ind. Estate, Thane Maharashtra- 400604, IndiaIndia
Telephone	+917506044908	Email	amod.gorey@lisalineasia.com
Verification Report Reference	LLTPL/TL/2018-02 LLTPL/TL/2018-03		

PRODUCT SITES

Organization name	Zebra Technologies International
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Address	116 The American Road, Morris Plains, NJ, 07950, United States United States of America
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Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	Haier U-Cool
IMD-PQS Code:	E006-060
Status:	Prequalified
Date of acceptance:	07 Oct 2019
Appliance type:	E006
Product description:	Remote temperature monitoring device
Manufacturer:	Qingdao Haier Biomedical Co., Ltd
Manufacturers Reference:	Haier U-Cool
Address:	No.280 Fengyuan Road High-tech Zone Qingdao Shandong China
Telephone:	+86-15066227057
Email:	tianhui.yu@haierbiomedical.com
Website address:	http://www.haiermedical.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	"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

Weight per Package (Kg)	0.2000	Year of base price	2019
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QUALITY STANDARD

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

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

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	VM1000
IMD-PQS Code:	E006-061
Status:	Prequalified
Date of acceptance:	31 Jul 2019
Appliance type:	E006
Product description:	Remote temperature monitoring device
Manufacturer:	My Fridge Online (Pty) Ltd
Manufacturers Reference:	VM1000
Country of Manufacture:	South Africa
Address:	33 Torwood Drive Hayfields Pietermaritzburg KwaZulu-Natal South Africa
Telephone:	+27 829 403 058
Email:	praba@myfridgeonline.com
Website address:	www.mfol.co.za
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

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

QUALITY STANDARD

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

PRODUCT SITES

Organization name	My Fridge Online (Pty) Ltd
Address	33 Torwood Drive Hayfields Pietermaritzburg KwaZulu-Natal South Africa

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	Endicate Freeze
IMD-PQS Code:	E006-062
Status:	Prequalified
Date of acceptance:	30 Sep 2019
Appliance type:	E006
Product description:	Other
Manufacturer:	American Thermal Instruments
Manufacturers Reference:	Endicate Freeze
Country of Manufacture:	United States of America
Address:	2400 E River Road Dayton Ohio United States of America
Telephone:	+1 937 429 2114
Email:	orders@americanthermal.com
Website address:	www.americanthermal.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	Type freezer device -0.5°C for 1 hour
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PRICE AND SHIPPING

Weight per Package (Kg)	0.0150	Minimum order	10.00
Price 1	US\$ 10.00	Year of base price	2026

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		

PRODUCT SITES

Organization name	American Thermal Instruments
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Address	2400 E River Road Dayton Ohio United States of America
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Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	Endicate Type 1
IMD-PQS Code:	E006-063
Status:	Prequalified
Date of acceptance:	30 Sep 2019
Appliance type:	E006
Product description:	Electronic shipping indicator
Manufacturer:	American Thermal Instruments
Manufacturers Reference:	Endicate Type 1
Country of Manufacture:	United States of America
Address:	2400 E River Road Dayton Ohio United States of America
Telephone:	+1 937 429 2114
Email:	orders@americanthermal.com
Website address:	www.americanthermal.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

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

Weight per Package (Kg)	0.0150	Minimum order	10.00
Price 1	10 \$USD	Year of base price	2026

QUALITY STANDARD

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

PRODUCT SITES

Organization name	American Thermal Instruments
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Address	2400 E River Road Dayton Ohio United States of America
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Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	Endicate Type 2
IMD-PQS Code:	E006-064
Status:	Prequalified
Date of acceptance:	30 Sep 2019
Appliance type:	E006
Product description:	Electronic shipping indicator
Manufacturer:	American Thermal Instruments
Manufacturers Reference:	Endicate Type 2
Address:	2400 E River Road Dayton Ohio United States of America
Telephone:	+1 937 429 2114
Email:	orders@americanthermal.com
Website address:	www.americanthermal.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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

Weight per Package (Kg)	0.0150	Price 1	10 \$USD
Year of base price	2026		

QUALITY STANDARD

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

PRODUCT SITES

Organization name	American Thermal Instruments
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Address	2400 E River Road Dayton Ohio United States of America
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Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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

IMD-PQS Code:	E006-065
Status:	Suspended
Date of acceptance:	30 Sep 2019
Appliance type:	E006

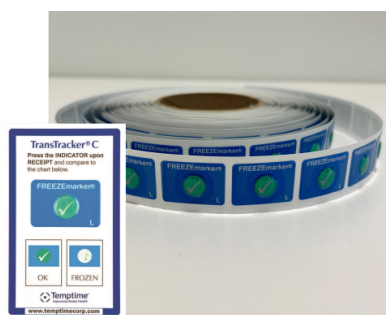
Specifications

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



Product name:	FREEZEmarker® L
IMD-PQS Code:	E006-067
Status:	Prequalified
Date of acceptance:	08 May 2020
Appliance type:	E006
Product description:	Chemical freeze indicator
Manufacturer:	Zebra Technologies International
Manufacturers Reference:	FREEZEmarker® L
Country of Manufacture:	United States of America
Address:	116 The American Road, Morris Plains, NJ, 07950, United States United States of America
Telephone:	+1 973 630 6000
Email:	tempmonitoring@zebra.com
Website address:	www.zebra.com/tempmonitoring
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Mode of operation	Chemical	External dimensions height (mm)	20.00
External dimensions length (mm)	20.00	External dimensions width (mm)	29.00
Activation mechanism	Always Active	VVM Type	FREEZEmarker
Fixing mechanism	Adhesive		

Comments	The FREEZEmarker® Indicator is designed as a single-use self-adhesive indicator that provides and 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. 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. The surface to which the FREEZEmarker can be applied (carton, card, glass, etc) must be above 2°C (35.6°F). Standard backing cards with an indicator applied are 86mm x 54mm and provided in boxes of 200. Specification: -0.5°C ± 1°C, 60 minutes (maximum). Specification: -0.5°C ± 1°C, 60 minutes (maximum) Minimum order: 1 roll Indicators per Roll: 1,000 (standard) Response temperature: -0.5°C		
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PRICE AND SHIPPING

Minimum order	1.00	Incoterms	EXW
Price 1	On request to manufacturer	Year of base price	2020

QUALITY STANDARD

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

VERIFICATION

Verification Laboratory	Lisaline Lifescience Technologies PVT. LTD	Address	401-D WI FI Park, Plot No B-3, Road No 1, Wagle Ind. Estate, Thane Maharashtra- 400604, IndiaIndia
Telephone	+917506044908	Email	amod.gorey@lisalineasia.com

PRODUCT SITES

Organization name	Zebra Technologies International
Address	116 The American Road, Morris Plains, NJ, 07950, United States United States of America

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	Trek Pro
IMD-PQS Code:	E006-069
Status:	Prequalified
Date of acceptance:	28 Sep 2020
Appliance type:	E006
Product description:	User-programmable temperature data logger
Manufacturer:	eHealth Africa Global Health Monitoring LLC
Manufacturers Reference:	Trek Pro
Country of Manufacture:	China
Address:	4-6 Independence Road Kano Kano Nigeria
Telephone:	+66 2420-2888
Email:	ssawadogo@parsyl.com
Website address:	https://forth-ems.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Mode of operation	Electronic	Minimum logging intervals (mins)	0.02
Maximum logging intervals (mins)	360.00	Maximum recording time (days)	1095.00
Sensor type(s)	Internal sensor	Maximum sensor lead length (metres)	0.00
Maximum number of sensor channels	0.00	External dimensions height (mm)	99.80
External dimensions length (mm)	201.00	External dimensions width (mm)	38.10
Activation mechanism	Physical switch, software	Material	Polycarbonate + ABS
Fixing mechanism	Screws	CE marking	Yes
Minimum working temperature (°C)	-40.00	Maximum working temperature (°C)	70.00

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	Maximum recording time (days): 1095 (10 minute intervals)
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PRICE AND SHIPPING

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

QUALITY STANDARD

Quality Standard	Other	Quality standard (Other)	ISO 9001:2015
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Specification Reference	Applicable PQS specification: PQS/E006/TR05.1 Applicable PQS VP(s): E006/TR05.1
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PRODUCT SITES	
Organization name	FORTH EMS PUBLIC COMPANY LIMITED
Address	77 MOO 11 PHUTTAMONTON 5 ROAD, RAIKHING, SAMPRAN, NAKHON PATHOM Thailand

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	USRID-16WC and USRID-16WA/B
IMD-PQS Code:	E006-070
Status:	Prequalified
Date of acceptance:	10 Jan 2020
Appliance type:	E006
Product description:	40 day electronic shipping indicator
Manufacturer:	LogTag North America Inc.
Manufacturers Reference:	USRID-16WC and USRID-16WA/B
Country of Manufacture:	China
Address:	Unit 10, 10 Millpond Drive Lafayette New Jersey United States of America
Telephone:	+64 9 448 2311
Email:	quality@logtagrecorders.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	"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 ± 0.5 °C for -20 °C to +40 °C, better than ± 0.7 °C outside this range
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PRICE AND SHIPPING

Shipping volume (m3)	0.006	Weight per Package (Kg)	0.0390
Units per package	50.00	Weight per Unit (Kg)	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 TUV SUD @ IBP Singapore 609937Singapore
Telephone	+6569736355	Email	xin-pei.kee@tuvsud.com
PRODUCT SITES			
Organization name	LogTag North America Inc.		
Address	Lot CN-01, Dong Van IV Industrial Zone, Dai Cuong Commune, Kim Bang District Ha Nam Province Hà Nam Viet Nam		
Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</i>

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



E006: Temperature monitoring devices



Product name:	HEATmarker® VVM1
IMD-PQS Code:	E006-071
Status:	Prequalified
Date of acceptance:	01 Nov 2021
Appliance type:	E006
Product description:	Vaccine vial monitor
Manufacturer:	Zebra Technologies International
Manufacturers Reference:	HEATmarker® VVM1
Country of Manufacture:	United States of America
Address:	116 The American Road, Morris Plains, NJ, 07950, United States United States of America
Telephone:	+1 973 630 6000
Email:	tempmonitoring@zebra.com
Website address:	www.zebra.com/tempmonitoring
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Mode of operation	Chemical	External dimensions height (mm)	10.00
Activation mechanism	Always active	VVM Type	VVM1
Fixing mechanism	Adhesive	Time to endpoint at 37°C (days)	1.00
Time to endpoint at 5°C (days)	100.00		

Comments	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 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

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

QUALITY STANDARD

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

VERIFICATION

Verification Laboratory	Lisaline Lifescience Technologies PVT. LTD	Address	401-D WI FI Park, Plot No B-3, Road No 1, Wagle Ind. Estate, Thane Maharashtra- 400604, IndiaIndia
Telephone	+917506044908	Email	amod.gorey@lisalineasia.com
Verification Report Reference	LLTPL/2021/06-01		

PRODUCT SITES

Organization name	Zebra Technologies International
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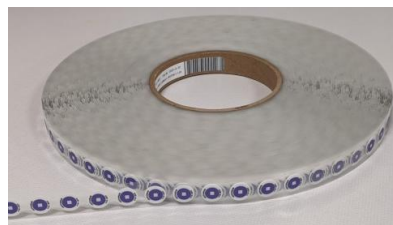
Address	116 The American Road, Morris Plains, NJ, 07950, United States United States of America
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Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



E006: Temperature monitoring devices



Product name:	HEATmarker® VVM+30
IMD-PQS Code:	E006-072
Status:	Prequalified
Date of acceptance:	15 Jan 2021
Appliance type:	E006
Product description:	Combined VVM and threshold indicator
Manufacturer:	Zebra Technologies International
Manufacturers Reference:	HEATmarker® VVM+30
Country of Manufacture:	United States of America
Address:	116 The American Road, Morris Plains, NJ, 07950, United States United States of America
Telephone:	+1 973 630 6000
Email:	tempmonitoring@zebra.com
Website address:	www.zebra.com/tempmonitoring
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Mode of operation	Chemical	External dimensions height (mm)	10.00
Activation mechanism	Always active	VVM Type	VVM+30
Fixing mechanism	Adhesive	Time to endpoint at 37°C (days)	30.00
Time to endpoint at 25°C (days)	193.00		

Comments	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

Minimum order	500000.00	Incoterms	EXW
Price 1	on request to manufacturer	Year of base price	2021

QUALITY STANDARD

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

VERIFICATION

Verification Laboratory	Lisaline Lifescience Technologies PVT. LTD	Address	401-D WI FI Park, Plot No B-3, Road No 1, Wagle Ind. Estate, Thane Maharashtra- 400604, IndiaIndia
Telephone	+917506044908	Email	amod.gorey@lisalineasia.com
Verification Report Reference	LLTPL/TL/2020-02		

PRODUCT SITES

Organization name	Zebra Technologies International
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Address	116 The American Road, Morris Plains, NJ, 07950, United States United States of America
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Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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

IMD-PQS Code:	E006-074
Status:	Suspended
Date of acceptance:	02 Aug 2021
Appliance type:	E006

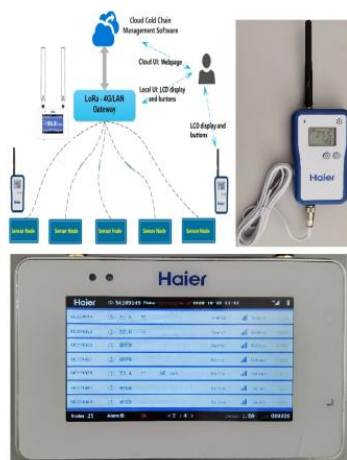
Specifications

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



Product name:	U-COOL-LORA
IMD-PQS Code:	E006-075
Status:	Prequalified
Date of acceptance:	02 Aug 2021
Appliance type:	E006
Product description:	Remote temperature monitoring device
Manufacturer:	Qingdao Haier Biomedical Co., Ltd
Manufacturers Reference:	U-COOL-LORA
Country of Manufacture:	China
Address:	No.280 Fengyuan Road High-tech Zone Qingdao Shandong China
Telephone:	+86-15066227057
Email:	tianhui.yu@haierbiomedical.com
Website address:	http://www.haiermedical.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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

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

QUALITY STANDARD

Quality Standard	Other	Quality standard (Other)	ISO 9001:2015
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:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	UTRID-16
IMD-PQS Code:	E006-076
Status:	Prequalified
Date of acceptance:	18 Mar 2021
Appliance type:	E006
Product description:	User-programmable temperature data logger
Manufacturer:	LogTag North America Inc.
Manufacturers Reference:	UTRID-16
Country of Manufacture:	China
Address:	Unit 10, 10 Millpond Drive Lafayette New Jersey United States of America
Telephone:	+64 9 448 2311
Email:	quality@logtagrecorders.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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 ±0.5 °C for -20 °C to +40 °C, better than ±0.7 °C for -30 °C to -20 °C and +40 °C to +60
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PRICE AND SHIPPING

Shipping volume (m3)	0.028	Weight per Package (Kg)	0.0390
Units per package	50.00	Weight per Unit (Kg)	2.3000
Minimum order	20.00	Incoterms	EXW
Price 1	48 USD	Year of base price	2021

QUALITY STANDARD

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

VERIFICATION

Verification Laboratory	TUV SUD PSB Pte Ltd	Address	15 International Business Park TUV SUD @ IBP Singapore 609937Singapore
Telephone	+6569736355	Email	xin-pei.kee@tuvsud.com

PRODUCT SITES

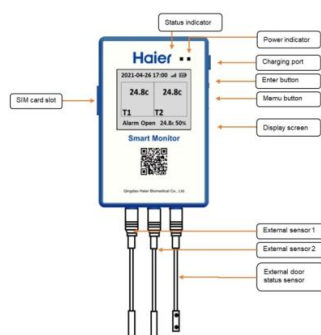
Organization name	LogTag North America Inc.
Address	Lot CN-01, Dong Van IV Industrial Zone, Dai Cuong Commune, Kim Bang District Ha Nam Province Hà Nam Viet Nam

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	U-COOL Pro
IMD-PQS Code:	E006-078
Status:	Prequalified
Date of acceptance:	06 Aug 2021
Appliance type:	E006
Product description:	Remote temperature monitoring device
Manufacturer:	Qingdao Haier Biomedical Co., Ltd
Manufacturers Reference:	U-COOL Pro
Address:	No.280 Fengyuan Road High-tech Zone Qingdao Shandong China
Telephone:	+86-15066227057
Email:	tianhui.yu@haierbiomedical.com
Website address:	http://www.haiermedical.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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

Weight per Package (Kg)	0.2000	Year of base price	2021
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QUALITY STANDARD

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

PRODUCT SITES

Organization name	Qingdao Haier Biomedical Co., Ltd
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Address	No.280 Fengyuan Road High-tech Zone Qingdao Shandong China
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Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



No image
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E006: Temperature monitoring devices

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

Specifications

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



Product name:	Parsyl Trek Pro & Passport
IMD-PQS Code:	E006-080
Status:	Prequalified
Date of acceptance:	24 Mar 2022
Appliance type:	E006
Product description:	Remote temperature monitoring device
Manufacturer:	eHealth Africa Global Health Monitoring LLC
Manufacturers Reference:	Parsyl Trek Pro & Passport
Country of Manufacture:	Thailand
Address:	4-6 Independence Road Kano Kano Nigeria
Telephone:	+66 2420-2888
Email:	ssawadogo@parsyl.com
Website address:	https://forth-ems.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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

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

QUALITY STANDARD

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

VERIFICATION

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

PRODUCT SITES

Organization name	FORTH EMS PUBLIC COMPANY LIMITED
Address	77 MOO 11 PHUTTAMONTON 5 ROAD, RAIKHING, SAMPRAN, NAKHON PATHOM Thailand

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	LM-XS Pro E006
IMD-PQS Code:	E006-081
Status:	Prequalified
Date of acceptance:	26 Apr 2022
Appliance type:	E006
Product description:	Other
Manufacturer:	G-Tek Corporation Private Limited
Manufacturers Reference:	LM-XS Pro E006
Country of Manufacture:	India
Address:	Gunaji House", Plot No. 25/1, Besides Status Bungalow, Padra Road, Vadodara Gujarat India
Telephone:	+91 98 245 22295
Email:	asu@gtek-india.com
Website address:	www.gtek-india.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

Accuracy (+/- °C)	0.50	Power source	Non-replaceable battery
Battery type	"Non-Replaceable 3.0 V 950mAh; CR2477 Panasonic	Battery shelf life (year)	5
Activated battery life	60 months	Alarm type	Other
Alarm Type (Other)	Audio-visual	Memory capacity (readings)	17280.00
Programmability	Factory Programmed	User interface	LCD
Display medium	LCD Display	Recording medium	Flash Memory
Ingress protection rating IP	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.		
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PRICE AND SHIPPING

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

QUALITY STANDARD

Quality Standard	Other	Quality standard (Other)	ISO 9001:2015
Specification Reference	Applicable PQS specification: PQS-E006-TR06.4 Applicable PQS VP(s):PQS-E006-TR06-VP.4		

VERIFICATION

Verification Laboratory	Lisaline Lifescience Technologies PVT. LTD	Address	401-D WI FI Park, Plot No B-3, Road No 1, Wagle Ind. Estate, Thane Maharashtra- 400604, IndiaIndia
Telephone	+917506044908	Email	amod.gorey@lisalineasia.com
Verification Report Reference	LLTPL/TL/2025-02/01		

PRODUCT SITES

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

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	Vac-TL-01
IMD-PQS Code:	E006-082
Status:	Prequalified
Date of acceptance:	26 Apr 2022
Appliance type:	E006
Product description:	User-programmable temperature data logger
Manufacturer:	Inspired Technology Ltd
Manufacturers Reference:	Vac-TL-01
Country of Manufacture:	China
Address:	1 Huangshan Road, Tongshan Economic Development Zone, Xuzhou Jiangsu China
Telephone:	+971559127380
Email:	sales@inspiredtechnology.co
Website address:	http://www.inspiredtechnology.co
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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°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

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

QUALITY STANDARD

Quality Standard	Other	Quality standard (Other)	ISO 9001:2015
Specification Reference	Applicable PQS specification: E006/TR05.1 Applicable PQS VP(s): E006/TR05.VP-1		
VERIFICATION			
Verification Laboratory	Intertek India	Address	Intertek India Private Limited E-20, Block B1, Mohan Cooperative Industrial Estate Mathura Road New Delhi - 110044 IndiaIndia
Telephone	+91-9820213510	Email	manas.das@intertek.com
PRODUCT SITES			
Organization name	Inspired Technology Ltd		
Address	1 Huangshan Road, Tongshan Economic Development Zone, Xuzhou Jiangsu China		
Current PQS status:	Prequalified	Valid until:	31 May 2027

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



E006: Temperature monitoring devices



Product name:	LogEt 1
IMD-PQS Code:	E006-083
Status:	Prequalified
Date of acceptance:	06 Feb 2022
Appliance type:	E006
Product description:	User-programmable temperature data logger
Manufacturer:	Jiangsu Jingchuang Electronics Co.,Ltd
Manufacturers Reference:	LogEt 1
Country of Manufacture:	China
Address:	No,21 East Zhujiang Rd, Tongshan EconomicDevelopment Zone, Xuzhou Jiangsu China
Telephone:	0086 0516 18796337208
Email:	zhangbo@e-elitech.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Mode of operation	Electronic	Minimum logging intervals (mins)	0.17
Maximum logging intervals (mins)	1440.00	Maximum recording time (days)	180.00
Sensor type(s)	digital sensor	Maximum sensor lead length (metres)	0.00
Maximum number of sensor channels	0.00	External dimensions height (mm)	80.00
External dimensions length (mm)	97.00	External dimensions width (mm)	53.00
Activation mechanism	button	Material	Polycarbonate
Fixing mechanism	Adhesive	CE marking	Yes
Minimum working temperature (°C)	-30.00	Maximum working temperature (°C)	70.00

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	***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

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

Price 3	>500 units: on request to manufacturer	Year of base price	2022
QUALITY STANDARD			
Quality Standard	Other	Quality standard (Other)	ISO 9001:2015
Specification Reference	Applicable PQS specification: E006/TR05.1 Applicable PQS VP(s): E006/TR05.VP-1		
VERIFICATION			
Verification Report Reference		TUV E8A 114320 0001 Rev. 00	
PRODUCT SITES			
Organization name	Jiangsu Jingchuang Electronics Co.,Ltd		
Address	The third Industrial Park, No,21 Zhujiang East Road, High-tech Industrial Development Zone, Xuzhou Jiangsu China		
Current PQS status:	Prequalified	Valid until:	31 May 2027

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



E006: Temperature monitoring devices



Product name:	testo 184 T3
IMD-PQS Code:	E006-085
Status:	Prequalified
Date of acceptance:	07 Jan 2022
Appliance type:	E006
Product description:	User-programmable temperature data logger
Manufacturer:	Testo SE & Co. KGaA
Manufacturers Reference:	testo 184 T3
Country of Manufacture:	China
Address:	Celsiusstr. 2 Titisee-Neustadt Baden-Württemberg Germany
Telephone:	+49 7653 681-0
Email:	saveris@testo.com
Website address:	www.testo.de
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

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

QUALITY STANDARD

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

PRODUCT SITES

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

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	Vax Ultima
IMD-PQS Code:	E006-086
Status:	Prequalified
Date of acceptance:	14 Sep 2022
Appliance type:	E006
Product description:	Electronic shipping indicator
Manufacturer:	Inspired Technology Ltd
Manufacturers Reference:	Vax Ultima
Address:	1 Huangshan Road, Tongshan Economic Development Zone, Xuzhou Jiangsu China
Telephone:	+971559127380
Email:	sales@inspiredtechnology.co
Website address:	http://www.inspiredtechnology.co
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Mode of operation	Electronic	Minimum logging intervals (mins)	0.02
Maximum logging intervals (mins)	1080.00	Maximum recording time (days)	111.00
Sensor type(s)	digital sensor	Maximum sensor lead length (metres)	0.00
Maximum number of sensor channels	0.00	External dimensions height (mm)	7.80
External dimensions length (mm)	95.00	External dimensions width (mm)	49.00
Activation mechanism	Start/Stop button	Material	ABS
Fixing mechanism	Adhesive	CE marking	Yes
Minimum working temperature (°C)	-30.00	Maximum working temperature (°C)	60.00

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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		
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PRICE AND SHIPPING

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

QUALITY STANDARD

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

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	Inspired Technology Ltd
Address	1 Huangshan Road, Tongshan Economic Development Zone, Xuzhou Jiangsu China

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	SmartMonitor SITE L
IMD-PQS Code:	E006-087
Status:	Prequalified
Date of acceptance:	29 Jan 2023
Appliance type:	E006
Product description:	Remote temperature monitoring device
Manufacturer:	Berlinger & Co. AG
Manufacturers Reference:	SmartMonitor SITE L
Country of Manufacture:	Sri Lanka
Address:	Mitteldorfstrasse 2, Ganterschwil Sankt Gallen Switzerland
Telephone:	+41 (71) 982 88 11
Email:	info@berlinger.com
Website address:	http://www.berlinger.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

Accuracy (+/- °C)	0.50	Power source	Mains+Battery
Battery type	Ni-MH battery pack Lithium-free battery	Battery shelf life (year)	0
Activated battery life	7 days	Alarm type	Aucostic
Memory capacity (readings)	1000.00	Programmability	User Programed
User interface	USB & cloud	Display medium	Liquid Crystal
Recording medium	Non-volatile EEPROM memory	Ingress protection rating IP	IP65

Comments	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: https://www.berlinger.com/temperature-monitoring/services/smartsystem-user-support Accuracy: +/- 0.5°C in the range of [-10°C, +45°C] Memory size: 1000 data points		
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PRICE AND SHIPPING

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

QUALITY STANDARD

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

PRODUCT SITES

Organization name	Berlinger & Co. AG
Address	Mitteldorfstrasse 2, Ganterschwil Sankt Gallen Switzerland

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	Q-tag CLm doc D
IMD-PQS Code:	E006-088
Status:	Prequalified
Date of acceptance:	16 Feb 2023
Appliance type:	E006
Product description:	Electronic shipping indicator
Manufacturer:	Berlinger & Co. AG
Manufacturers Reference:	Q-tag CLm doc D
Country of Manufacture:	Switzerland
Address:	Mitteldorfstrasse 2, Ganterschwil Sankt Gallen Switzerland
Telephone:	+41 (71) 982 88 11
Email:	info@berlinger.com
Website address:	http://www.berlinger.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	Dry ice multi-alarm shipping temperature USB monitor Ultra-low temperature shipping indicator. 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

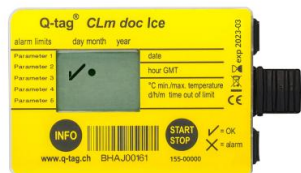
Shipping volume (m3)	0.0045	Weight per Package (Kg)	0.0540
Units per package	25.00	Weight per Unit (Kg)	1.6800
Minimum order	20.00	Incoterms	FCA

Price 1	\$98.50	Year of base price	2023
QUALITY STANDARD			
Quality Standard	Other	Quality standard (Other)	ISO 9001:2015
Specification Reference	Applicable PQS specification: E006/TR07.4 Applicable PQS VP(s): E006/TR07-VP.4		
VERIFICATION			
Verification Laboratory	Roth & CO AG	Address	asasasSwitzerland
Verification Report Reference	VA15-00564 / VA18-02042		
PRODUCT SITES			
Organization name	Berlinger & Co. AG		
Address	Mitteldorfstrasse 2, Ganterschwil Sankt Gallen Switzerland		
Current PQS status:	Prequalified	Valid until:	31 May 2027

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



E006: Temperature monitoring devices



Product name:	Q-tag CLm doc Ice
IMD-PQS Code:	E006-089
Status:	Prequalified
Date of acceptance:	16 Feb 2023
Appliance type:	E006
Product description:	Electronic shipping indicator
Manufacturer:	Berlinger & Co. AG
Manufacturers Reference:	Q-tag CLm doc Ice
Country of Manufacture:	Switzerland
Address:	Mitteldorfstrasse 2, Ganterschwil Sankt Gallen Switzerland
Telephone:	+41 (71) 982 88 11
Email:	info@berlinger.com
Website address:	http://www.berlinger.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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

Shipping volume (m3)	0.0045	Weight per Package (Kg)	0.0540
Units per package	25.00	Weight per Unit (Kg)	1.6800
Minimum order	20.00	Incoterms	FCA

Price 1	\$USD 92.10	Year of base price	2023
QUALITY STANDARD			
Quality Standard	Other	Quality standard (Other)	ISO 9001:2015
Specification Reference	Applicable PQS specification: E006/TR07.4 Applicable PQS VP(s): E006/TR07-VP.4		
VERIFICATION			
Verification Laboratory	Roth & CO AG	Address	asasasSwitzerland
Verification Report Reference	VA15-00564		
PRODUCT SITES			
Organization name	Berlinger & Co. AG		
Address	Mitteldorfstrasse 2, Ganterschwil Sankt Gallen Switzerland		
Current PQS status:	Prequalified	Valid until:	31 May 2027

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



E006: Temperature monitoring devices



Product name:	Q-tag CLm doc Ice R
IMD-PQS Code:	E006-090
Status:	Prequalified
Date of acceptance:	17 Feb 2023
Appliance type:	E006
Product description:	Electronic shipping indicator
Manufacturer:	Berlinger & Co. AG
Manufacturers Reference:	Q-tag CLm doc Ice R
Country of Manufacture:	Switzerland
Address:	Mitteldorfstrasse 2, Ganterschwil Sankt Gallen Switzerland
Telephone:	+41 (71) 982 88 11
Email:	info@berlinger.com
Website address:	http://www.berlinger.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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

Shipping volume (m3)	0.0045	Weight per Package (Kg)	0.0540
Units per package	25.00	Weight per Unit (Kg)	1.6800
Minimum order	20.00	Incoterms	FCA

Price 1	122.4	Year of base price	2023
QUALITY STANDARD			
Quality Standard	Other	Quality standard (Other)	ISO 9001:2015
Specification Reference	Applicable PQS specification: E006/TR07.4 Applicable PQS VP(s): E006/TR07-VP.4		
VERIFICATION			
Verification Laboratory	Roth & CO AG	Address	asasasSwitzerland
Verification Report Reference	VA15-00564		
PRODUCT SITES			
Organization name	Berlinger & Co. AG		
Address	Mitteldorfstrasse 2, Ganterschwil Sankt Gallen Switzerland		
Current PQS status:	Prequalified	Valid until:	31 May 2027

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



E006: Temperature monitoring devices



Product name:	CTX
IMD-PQS Code:	E006-091
Status:	Prequalified
Date of acceptance:	14 Apr 2023
Appliance type:	E006
Product description:	User-programmable temperature data logger
Manufacturer:	Nexleaf Analytics
Manufacturers Reference:	CTX
Country of Manufacture:	India
Address:	4858 W Pico Blvd #347, Los Angeles, CA 90019, USA Los Angeles California United States of America
Telephone:	+12139156729
Email:	info@nexleaf.org
Website address:	https://nexleaf.org
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Weight per Package (Kg)	0.4250	Minimum order	1.00
Incoterms	EXW	Price 1	1000+ kits: \$300.70
Price 2	50 to 999 kits: \$318.30	Price 3	1 to 49 kits: \$329 Price includes 1 year of SIM, SMS, and data hosting cost of \$80 a year. Contact for 4x fridge kit, WIC kit, 2x WIC kit, 3x WIC kit pricing.
Year of base price	2025		

QUALITY STANDARD

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

VERIFICATION

Verification Laboratory	Intertek India	Address	Intertek India Private Limited E-20, Block B1, Mohan Cooperative Industrial Estate Mathura Road New Delhi - 110044 IndiaIndia
Telephone	+91-9820213510	Email	manas.das@intertek.com

PRODUCT SITES

Organization name	Nexleaf Analytics		
Address	Global Innovation Park CP-07 IMT Manesar Rd Road name & number: Sector 8, Imt Manesar, Manesar India		
Current PQS status:	Prequalified	Valid until:	31 May 2027

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



E006: Temperature monitoring devices



Product name:	LM Pro IN031
IMD-PQS Code:	E006-092
Status:	Prequalified
Date of acceptance:	15 May 2023
Appliance type:	E006
Product description:	Other
Manufacturer:	G-Tek Corporation Private Limited
Manufacturers Reference:	LM Pro IN031
Country of Manufacture:	India
Address:	Gunaji House", Plot No. 25/1, Besides Status Bungalow, Padra Road, Vadodara Gujarat India
Telephone:	+91 98 245 22295
Email:	asu@gtek-india.com
Website address:	www.gtek-india.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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

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

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		

PRODUCT SITES

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

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	Fridge-tag 2L
IMD-PQS Code:	E006-093
Status:	Prequalified
Date of acceptance:	16 May 2023
Appliance type:	E006
Product description:	Other
Manufacturer:	Berlinger & Co. AG
Manufacturers Reference:	Fridge-tag 2L
Country of Manufacture:	Malaysia
Address:	Mitteldorfstrasse 2, Ganterschwil Sankt Gallen Switzerland
Telephone:	+41 (71) 982 88 11
Email:	info@berlinger.com
Website address:	http://www.berlinger.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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

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

QUALITY STANDARD

Quality Standard	Other	Quality standard (Other)	ISO 9001:2015
Specification Reference	Applicable PQS specification: E006/TR06.4 Applicable PQS VP(s): E006/TR06-VP.4		

VERIFICATION

Verification Laboratory	Roth & CO AG	Address	asasasSwitzerland
Verification Report Reference	VA16-00070		

PRODUCT SITES

Organization name	Berlinger & Co. AG
Address	Mitteldorfstrasse 2, Ganterschwil Sankt Gallen Switzerland

Current PQS status:	Prequalified	Valid until:	31 May 2027
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



E006: Temperature monitoring devices



Product name:	TempSir-VC
IMD-PQS Code:	E006-094
Status:	Prequalified
Date of acceptance:	25 Jul 2023
Appliance type:	E006
Product description:	Electronic shipping indicator
Manufacturer:	Sichuan Etomatoes Technology Co Ltd
Manufacturers Reference:	TempSir-VC
Country of Manufacture:	China
Address:	88 Tianchen Road, High-tech West District Chengdu Sichuan China
Telephone:	+86 13684059332
Email:	cg@etomatoes.com
Website address:	etomatoes.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	Memory size: 28800 data points
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PRICE AND SHIPPING

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

QUALITY STANDARD

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

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	1222 Xinyu Road, Chengdu Sichuan China		

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



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available

E006: Temperature monitoring devices

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

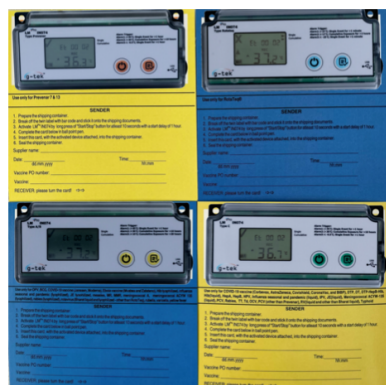
Specifications

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



Product name:	LM Pro IN074
IMD-PQS Code:	E006-096
Status:	Prequalified
Date of acceptance:	02 Feb 2024
Appliance type:	E006
Product description:	Electronic shipping indicator
Manufacturer:	G-Tek Corporation Private Limited
Manufacturers Reference:	LM Pro IN074
Country of Manufacture:	India
Address:	Gunaji House", Plot No. 25/1, Besides Status Bungalow, Padra Road, Vadodara Gujarat India
Telephone:	+91 98 245 22295
Email:	asu@gtek-india.com
Website address:	www.gtek-india.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	Accuracy: $\pm 0.5^{\circ}\text{C}$ for the range -30°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

Shipping weight per carton(kg)	8	Shipping volume (m3)	0.038
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Units per package	30.00	Minimum order	1.00
Price 1	For 1-10 units US\$21 per unit	Price 2	For 101-250 units US\$18.5 per unit
Price 3	For more than 250 units: Consult Factory	Year of base price	2024

QUALITY STANDARD

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

VERIFICATION

Verification Laboratory	Lisaline Lifescience Technologies PVT. LTD	Address	401-D WI FI Park, Plot No B-3, Road No 1, Wagle Ind. Estate, Thane Maharashtra- 400604, India
Telephone	+917506044908	Email	amod.gorey@lisalineasia.com
Verification Report Reference	LLTPL/TL/2023-10/01		

PRODUCT SITES

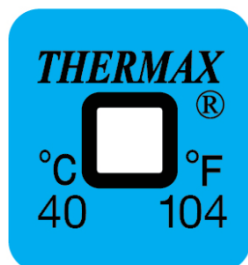
Organization name	G-Tek Corporation Private Limited
Address	Gunaji House", Plot No. 25/1, Besides Status Bungalow, Padra Road, Vadodara Gujarat India

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	Thermax Encap 40C
IMD-PQS Code:	E006-097
Status:	Prequalified
Date of acceptance:	11 Jul 2024
Appliance type:	E006
Product description:	Threshold indicator
Manufacturer:	Thermographic Measurements, Ltd (Spotsee)
Manufacturers Reference:	Thermax Encap 40C
Country of Manufacture:	United States of America
Address:	Riverside Buildings Dock Road Industrial Estate, Connaught Quay, Deeside Wales United Kingdom of Great Britain and Northern Ireland
Telephone:	01244818348
Email:	tstuelpe@spotsee.io
Website address:	www.spotsee.io
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Mode of operation	Chemical	External dimensions height (mm)	12.00
External dimensions length (mm)	13.00		

MECHANICAL AND ELECTRONIC DEVICES ONLY

Accuracy (+/- °C)	1.00	Power source	Passive device
Comments	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

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

QUALITY STANDARD

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

VERIFICATION

Verification Laboratory	CEMAFROID SAS	Address	5 Avenue des Pres CS 20029 F94 266 Fresnes Cedex FranceFrance
Telephone	+33 1 49 84 84 84	Email	gerald.cavalier@cemafrroid.fr

PRODUCT SITES

Organization name	Thermographic Measurements, Ltd (Spotsee)
Address	Riverside Buildings Dock Road Industrial Estate, Connaught Quay, Deeside Wales United Kingdom of Great Britain and Northern Ireland

Current PQS status:

Prequalified

Valid until:

31 May 2027

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



E006: Temperature monitoring devices



Product name:	Frigga V5
IMD-PQS Code:	E006-098
Status:	Prequalified
Date of acceptance:	30 Sep 2024
Appliance type:	E006
Product description:	Other
Manufacturer:	Shanghai Dewav IoT Technology Co. , Ltd.
Manufacturers Reference:	Frigga V5
Country of Manufacture:	China
Address:	No.3 Building, Lane 739 of Kangwei Road, Pudong New Area Shanghai Shanghai China
Telephone:	+86 21 58820022
Email:	lian.nie@dewav.com
Website address:	www.friggatech.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	User-programmable real time temperature data logger (Type 1) Accuracy: $\pm 0.5^{\circ}\text{C}$ ($-20^{\circ}\text{C} \sim +40^{\circ}\text{C}$); $\pm 1^{\circ}\text{C}$ 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

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

QUALITY STANDARD

Quality Standard	Other	Quality standard (Other)	ISO 9001:2015
Specification Reference	Applicable PQS specification: E006/TR06.4 Applicable PQS VP(s): E006/TR06-VP.4		
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-23-0163		
PRODUCT SITES			
Organization name	Shanghai Dewav IoT Technology Co. , Ltd.		
Address	No.3 Building, Lane 739 of Kangwei Road, Pudong New Area Shanghai Shanghai China		
Current PQS status:	Prequalified	Valid until:	31 May 2027

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



E006: Temperature monitoring devices



Product name:	VaxTag +
IMD-PQS Code:	E006-099
Status:	Prequalified
Date of acceptance:	07 Oct 2024
Appliance type:	E006
Product description:	Other
Manufacturer:	LogTag North America Inc.
Manufacturers Reference:	VaxTag +
Country of Manufacture:	China
Address:	Unit 10, 10 Millpond Drive Lafayette New Jersey United States of America
Telephone:	+64 9 448 2311
Email:	quality@logtagrecorders.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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

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

QUALITY STANDARD

Quality Standard	Other	Quality standard (Other)	ISO 9001:2015
Specification Reference	Applicable PQS specification: E006/TR06.4 Applicable PQS VP(s): E006/TR06-VP.4		

VERIFICATION

Verification Laboratory	Intertek India	Address	Intertek India Private Limited E-20, Block B1, Mohan Cooperative Industrial Estate Mathura Road New Delhi - 110044 IndiaIndia
Telephone	+91-9820213510	Email	manas.das@intertek.com
Verification Report Reference	A66604, Issue1		

PRODUCT SITES

Organization name	LogTag North America Inc.		
Address	Lot CN-01, Dong Van IV Industrial Zone, Dai Cuong Commune, Kim Bang District Ha Nam Province Hà Nam Viet Nam		

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	LMPPro T051
IMD-PQS Code:	E006-100
Status:	Prequalified
Date of acceptance:	25 Nov 2024
Appliance type:	E006
Product description:	User-programmable temperature data logger
Manufacturer:	G-Tek Corporation Private Limited
Manufacturers Reference:	LMPPro T051
Country of Manufacture:	India
Address:	Gunaji House", Plot No. 25/1, Besides Status Bungalow, Padra Road, Vadodara Gujarat India
Telephone:	+91 98 245 22295
Email:	asu@gtek-india.com
Website address:	www.gtek-india.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Mode of operation	Electronic	Minimum logging intervals (mins)	0.08
External dimensions height (mm)	95.50	External dimensions length (mm)	13.80
External dimensions width (mm)	45.00	Material	Polycarbonate plastic; non-breakable, non-corrodible
Minimum working temperature (°C)	-30.00	Maximum working temperature (°C)	60.00

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	$\pm 0.5\text{ }^{\circ}\text{C}$ for -20 to $+30\text{ }^{\circ}\text{C}$ $\pm 0.7\text{ }^{\circ}\text{C}$ 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

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

QUALITY STANDARD

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

VERIFICATION

Verification Laboratory	Lisaline Lifescience Technologies PVT. LTD	Address	401-D WI FI Park, Plot No B-3, Road No 1, Wagle Ind. Estate, Thane Maharashtra- 400604, IndiaIndia
Telephone	+917506044908	Email	amod.gorey@lisalineasia.com
Verification Report Reference	LLTPL/TL/2024-02/01		

PRODUCT SITES

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

Current PQS status:	<i>Prequalified</i>	Valid until:	<i>31 May 2027</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



Product name:	LMPPro FZT (Type-1)
IMD-PQS Code:	E006-101
Status:	Prequalified
Date of acceptance:	28 Mar 2025
Appliance type:	E006
Product description:	Other
Manufacturer:	G-Tek Corporation Private Limited
Manufacturers Reference:	LMPPro FZT (Type-1)
Country of Manufacture:	India
Address:	Gunaji House", Plot No. 25/1, Besides Status Bungalow, Padra Road, Vadodara Gujarat India
Telephone:	+91 98 245 22295
Email:	asu@gtek-india.com
Website address:	www.gtek-india.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

Accuracy (+/- °C)	0.50	Power source	Non-replaceable battery
Battery type	3.0 V 950 mAh; CR2477 Panasonic (or Equivalent) Lithium Coin Cell Battery	Battery shelf life (year)	5
Activated battery life	5	Alarm function(s)	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.
Alarm type	Visual	Memory capacity (readings)	17280.00
Programmability	Factory Programmed	User interface	Keyboard interface
Display medium	LCD display	Recording medium	Flash Memory
Ingress protection rating IP	IP 64		

Comments

The LMPPro 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: $\pm 0.5^{\circ}\text{C}$ for the range -30°C to $+30^{\circ}\text{C}$ $\pm 0.7^{\circ}\text{C}$ 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	Lisaline Lifescience Technologies PVT. LTD	Address	401-D WI FI Park, Plot No B-3, Road No 1, Wagle Ind. Estate, Thane Maharashtra- 400604, IndiaIndia
Telephone	+917506044908	Email	amod.gorey@lisalineasia.com
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)		

PRODUCT SITES

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

Current PQS status:	Prequalified	Valid until:	31 May 2027
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.



E006: Temperature monitoring devices



Product name:	ColdTrace Transport
IMD-PQS Code:	E006-102
Status:	Prequalified
Date of acceptance:	05 Aug 2025
Appliance type:	E006
Product description:	User-programmable temperature data logger
Manufacturer:	Nexleaf Analytics
Manufacturers Reference:	ColdTrace Transport
Country of Manufacture:	India
Address:	4858 W Pico Blvd #347, Los Angeles, CA 90019, USA Los Angeles California United States of America
Telephone:	+12139156729
Email:	info@nexleaf.org
Website address:	https://nexleaf.org
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

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

MECHANICAL AND ELECTRONIC DEVICES ONLY

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

Comments	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

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

QUALITY STANDARD

Quality Standard	ISO 9001: 2000;Other	Quality standard (Other)	ISO 14001:2015, Calibration Certificate, WEEE, CE Cert, EMC
Specification Reference	Applicable PQS specification: E006/TR05.1 Applicable PQS VP(s): E006/TR05.VP-1		

VERIFICATION

Verification Laboratory	Intertek India	Address	Intertek India Private Limited E-20, Block B1, Mohan Cooperative Industrial Estate Mathura Road New Delhi - 110044 IndiaIndia
Telephone	+91-9820213510	Email	manas.das@intertek.com
Verification Report Reference	CE-JOB-NDA-24-001717-001		

PRODUCT SITES

Organization name	Nexleaf Analytics		
Address	Global Innovation Park CP-07 IMT Manesar Rd Road name & number: Sector 8, Imt Manesar, Manesar India		
Current PQS status:	Prequalified	Valid until:	31 May 2027

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



E006: Temperature monitoring devices



Product name:	Frigga V5 Plus
IMD-PQS Code:	E006-103
Status:	Prequalified
Date of acceptance:	16 Dec 2025
Appliance type:	E003
Product description:	Other
Manufacturer:	Shanghai Dewav IoT Technology Co. , Ltd.
Manufacturers Reference:	Frigga V5 Plus
Country of Manufacture:	China
Address:	No.3 Building, Lane 739 of Kangwei Road, Pudong New Area Shanghai Shanghai China
Telephone:	+86 21 58820022
Email:	lian.nie@dewav.com
Website address:	www.friggatech.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Mode of operation	Electronic	Minimum logging intervals (mins)	1.00
Maximum logging intervals (mins)	60.00	Maximum recording time (days)	120.00
Sensor type(s)	Built-in sensor	Maximum sensor lead length (metres)	0.00
Maximum number of sensor channels	7.00	External dimensions height (mm)	105.00
External dimensions length (mm)	65.00	External dimensions width (mm)	169.00
Activation mechanism	Automatic/Manual Start	VVM Type	Global
Material	Transparent Polycarbonate with USB plug and water-proof membrane	Fixing mechanism	Plastic
Associated system components	Metal dome, PET front cover, Polycarbonate back cover	CE marking	Yes
Time to endpoint at 55°C (days)	9.00	Time to endpoint at 45°C (days)	9.00
Time to endpoint at 37°C (days)	9.00	Time to endpoint at 25°C (days)	9.00
Time to endpoint at 5°C (days)	9.00	Minimum working temperature (°C)	-30.00
Maximum working temperature (°C)	70.00		

MECHANICAL AND ELECTRONIC DEVICES ONLY

Accuracy (+/- °C)	0.50	Power source	Non-replaceable battery
Battery type	Rechargeable Li-ion & Non-Li Battery	Battery shelf life (year)	1
Activated battery life	2-3 years	Alarm function(s)	Yes
Alarm type	Visual;Other	Alarm Type (Other)	Real time alerts via platform, device, and APP.
Memory size (Mb)	64.0000000000	Memory capacity (readings)	28800.00
Programmability	Other	Programmability (Other)	Factory programmed, user programmability supported

User interface	LCD display	Display medium	E Ink screen
Recording medium	Cyclic recording	Ingress protection rating IP	IP65
Comments	The most advanced real-time Pharma cold chain devices on the market -Full visibility of Temp, Humidity, Light, Acceleration (Shock), Tilt. Location, Motion -Real time alerts for fast intervention - 16.9mm slim design with 24/7 always-on LCD -5 mode positioning for		
PRICE AND SHIPPING			
Shipping weight per carton(kg)	10,55	Shipping volume (m3)	0.03
Weight per Package (Kg)	15.0000	Units per package	10.00
Weight per Unit (Kg)	130.0000	Minimum order	1.00
Incoterms	DAP	Price 1	1~10 units?219 USD
Price 2	10~100 Units: 199 USD	Price 3	?100 units : on request to manufacturer
Year of base price	2025		
QUALITY STANDARD			
Quality Standard	ISO 9001: 2000;ISO 17025;Other	Quality standard (Other)	FCC, CE, RTCA/DO-160G, UN38.3, RoHS, WEEE
Specification Reference	Applicable PQS specification: E006/TR06.4 Applicable PQS VP(s): E006/TR06-VP.4		
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-25-0012		
PRODUCT SITES			
Organization name	Shanghai Dewav IoT Technology Co. , Ltd.		
Address	No.3 Building, Lane 739 of Kangwei Road, Pudong New Area Shanghai Shanghai China		
Current PQS status:	Prequalified	Valid until:	31 May 2027

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



E006: Temperature monitoring devices



Product name:	Health Sentinel - HS1
IMD-PQS Code:	E006-104
Status:	Prequalified
Date of acceptance:	24 Feb 2026
Appliance type:	E006
Product description:	Other
Manufacturer:	My Fridge Online (Pty) Ltd
Manufacturers Reference:	Health Sentinel - HS1
Country of Manufacture:	South Africa
Address:	33 Torwood Drive Hayfields Pietermaritzburg KwaZulu-Natal South Africa
Telephone:	+27 829 403 058
Email:	praba@myfridgeonline.com
Website address:	www.mfol.co.za
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Mode of operation	Electronic	Minimum logging intervals (mins)	1.00
Maximum logging intervals (mins)	1440.00	Maximum recording time (days)	1.00
Sensor type(s)	Digital	Maximum sensor lead length (metres)	2.00
Maximum number of sensor channels	1.00	Activation mechanism	Always On
Material	ABS Plastic	Fixing mechanism	Screws & Two Way Tape
Associated system components	1x Ambient temperature/humidity: Outside casing 1x Temperature Probe: Vaccine Compartment 2x Door Switches: Vaccine Compartment Door 1x Supply voltage: Internal 1x Battery voltage: Internal 1x Compressor Input: Internal	Minimum working temperature (°C)	10.00
Maximum working temperature (°C)	55.00		

MECHANICAL AND ELECTRONIC DEVICES ONLY

Accuracy (+/- °C)	0.50	Power source	Mains+Battery
Battery type	Lithium ion	Battery shelf life (year)	5
Activated battery life	60	Alarm function(s)	SMS Email Telegram Buzzer Visual
Alarm type	Visual;Acoustic	Memory size (Mb)	32000.0000000000
Memory capacity (readings)	35040.00	Programmability	Factory Programmed
User interface	Touch Screen	Display medium	IPS - Screen
Recording medium	TF Card	Ingress protection rating IP	IP65

PRICE AND SHIPPING

Shipping weight per carton(kg)	0.3	Shipping volume (m3)	0.003
Weight per Package (Kg)	0.2000	Units per package	1.00
Weight per Unit (Kg)	0.2000	Minimum order	1.00

Incoterms	EXW	Price 1	\$206
Price 2	\$185	Price 3	\$165
Year of base price	2026		
QUALITY STANDARD			
Quality Standard	ISO 9001: 2000	Specification Reference	Applicable PQS specification: ISO 9001:2015
VERIFICATION			
Verification Report Reference	25408/MY01/V1		
PRODUCT SITES			
Organization name	My Fridge Online (Pty) Ltd		
Address	33 Torwood Drive Hayfields Pietermaritzburg KwaZulu-Natal South Africa		
Current PQS status:	Prequalified	Valid until:	31 May 2027

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



E006: Temperature monitoring devices



No image
available

Product name:	VF-EMS L2/3 2.0- Level 3
IMD-PQS Code:	E006-105
Status:	Prequalified
Date of acceptance:	07 Oct 2026
Appliance type:	E006
Product description:	Remote temperature monitoring device
Manufacturer:	Vestfrost Solutions
Manufacturers Reference:	VF-EMS L2/3 2.0- Level 3
Country of Manufacture:	Denmark
Address:	A/S Vestfrost Falkevej 12 Esbjerg Ø Syddanmark Denmark
Telephone:	+45 7914 2527
Email:	clc@vestfrostsolutions.com
Website address:	http://vestfrostsolutions.com/
Valid until:	31 May 2026

Specifications

PRODUCT SPECIFICATIONS - MAIN

Mode of operation	Electronic	Minimum logging intervals (mins)	15.00
Maximum logging intervals (mins)	15.00	Maximum recording time (days)	365.00
Sensor type(s)	Electronic, NTC	Minimum working temperature (°C)	-30.00
Maximum working temperature (°C)	70.00		

MECHANICAL AND ELECTRONIC DEVICES ONLY

Accuracy (+/- °C)	0.50	Power source	Other
Power Source (Other)	Mains or SDD	Battery type	Li-Ion
Battery shelf life (year)	10	Activated battery life	10
Alarm function(s)	Yes	Alarm type	Visual;Acoustic
Memory size (Mb)	34.0000000000	Memory capacity (readings)	35040.00
Programmability	Factory Programmed	User interface	Touch display
Display medium	LCD	Recording medium	NOR Flash
Ingress protection rating IP	IP65		

Comments	EMS Integrated, Level 3. Accuracy: $\pm 0.5^{\circ}\text{C}$ or better, within the range -30°C to $+20^{\circ}\text{C}$.
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PRICE AND SHIPPING

Price 1	N/A EMS Integrated not sold separately
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QUALITY STANDARD

Quality Standard	ISO 9001: 2000	Specification Reference	PQS E006/DL01.3 / PQS E006/EM01.2
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VERIFICATION

Verification Laboratory	Danish Technological Institute	Address	Gregersensvej DK-2630 Taastrup DanemarkDenmark
Telephone	+45 72202472	Email	hans.walloe@teknologisk.dk
Verification Report Reference	300-KLAB-26-159 Version 1		

PRODUCT SITES

Organization name	Vestfrost Solutions
Address	A/S Vestfrost Falkevej 12 Esbjerg Ø Syddanmark Denmark

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.