



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 (IKHAYA Automation systems)
Manufacturers Reference:	VM1000
Country of Manufacture:	South Africa
Address:	I33 Torwood Drive Hayfields 3201 Pietermaritzburg South Africa
Telephone:	+27 0861 111 105
Email:	praba@myfridgeonline.com
Website address:	www.mfol.co.za
Valid until:	31 May 2026

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 (IKHAYA Automation systems)
Address	33 Torwood Drive Hayfields 3201 Pietermaritzburg South Africa

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.