



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:	1st floor, Building 13, Woodlands Office Park, 20 Woodlands Drive, Woomead, Sandton 2191 South Africa
Telephone:	+27 (0)112432960/1
Email:	dion@beyondwireless.co.za
Website address:	http://beyondwireless.co.za/
Valid until:	31 May 2026

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	1st floor, Building 13, Woodlands Office Park, 20 Woodlands Drive, Woomead, 1st floor, Building 13, Woodlands Office Park, 20 Woodlands Drive, Woomead, Sandton 2191 South Africa		
Current PQS status:	Prequalified	Valid until:	31 May 2026

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.