Wireless temperature transport sensor

Using an e-ink display and a button, this sensor is ideal for monitoring the ambient temperature during transport. The temperature can be read continuously on an energy-efficient display. By pressing the button at the start and end of transport, markers appear in the graph, making the transport easily visible for analysis. The large internal storage of this sensor ensures that no data is lost during transport. As soon as the sensor is back in range of the Base Station, the data are immediately transferred. In the Online Portal, the measurement results can then be used for monitoring and analysis.

Features

· Accurate wireless temperature measurement
· Equipped with e-ink display and programmable button for start and end time transport
· Battery life up to 10 years
· Compatible with all Wireless Value Base Stations
· Transmission range 1,000 metres (free line of sight)

Applications

· Transport monitoring
· Pharma & Lab

Specifications

· Ability to buffer 10,000 measurements
· Programmable measuring interval
· Attractive ABS enclosure
· Wall-mountable
· Easy to add sensors to operational system
· User-replaceable battery
· Unique network ID to avoid interference with other wireless systems

Sensor values are sent by the paired Base Station to:

· Wireless Value Online Portal (LAN or mobile carrier)
· Wireless Value Online Portal (On premises)
· MODBUS network (IP or RS485)
· SensorGraph via serial interface or LAN

wirelessvalue

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Model	wireless module with integrated sensor, e-ink display and programmable button
Type	temperature
Sensortype	integrated, digital
Measurement range	
Temperature	-20 °C to +80 °C
Measurement accuracy	
Temperature	± 0,3 °C from -20 °C to 80 °C
Measurement resolution	
Temperature	0,1
Measurement interval	Configurable between 1 second and 255 minutes, default 2 minutes
Operating limits	-20 °C to +80 °C
Power supply	1 AA 3,6 V lithium battery
Battery lifetime	up to 5 years with a sample interval of 5 minutes
Memory	10.000 measurements
Radionorm	EN 300 220
Frequency	868 - 870 MHz
Legislation	RED, CE
Range	1.000 meter free line of sight
Housing class	IP65
Color	matt black
Dimensions	105 (l) x 70 (w) x 34 (h) mm, excl. wall mount
weight	95 g (excluding battery)
Configuration	SensorGraph or Wireless Value Online Portal
Ordering options	
Housing options	no
External antenna	no
Pressure relief	no
External power supply	no