Wireless module for multiple temperature probes

The Wireless Value DLTi-chain measures 2 to 6 temperatures and transmits data to the base station. Sensing is performed using extended watertight probes. The probes are available in two standard lengths - 2 meters and 5 metres. The probes are digital temperature probes with the same form factor as a PT1000.

Overview

· Accurate and wireless sensing
· Battery life >5 years
· Compatible with all WiSensys Base Stations
· 1.000 metre range (line of sight)

Applications

· Asset monitoring
· Hospitals
· Laboratories

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:

· WebSensys (LAN or mobile carrier)
· WebSensys (On premises)
· MODBUS network (IP or serial)
· SensorGraph via serial interface or LAN RS485/422

wirelessvalue

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Design	Wireless module
Type	Temperature
Sensor type	External
Number of probes	DLTi-2-4: Min. 1, Max. 4 DLTi-4-6: Min. 1, Max. 6
Measurement range	
Range	-30°C to +125°C
Measurement accuracy	
Accuracy	±0.5°C from -10°C to +80°C ±1°C otherwise for each data channel
Measurement resolution	0.1°C
Measurement interval (M)	Configurable between 1 second and 255 minutes, default 2 minutes
Operating limits	-20 °C to +80 °C
Power	1 AA 3,6 V Lithium battery
Battery life	>5 years with default settings for M
Memory	10.000 measurements
Radio standard	EN 300 220
Frequency	868 - 870MHz (915MHz where applicable)
Range	1.000 m with free line of sight
Housing	IP65
Color	WiSensys® Blue/Green
Dimensions	60(w) x 80(h) x 26(d) mm, excl. wall mount
Weight	80 g (excluding battery)
Configuration	SensorGraph or WebSensys
Regulatory	R&TTE, CE
Ordering options	
Housing options	Yes
External antenna	Yes
Pressure relief valve	Yes
External power supply	Yes