Bluetooth® Temperature & Humidity Sensor

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Introduction to the product

Description:

Perfect monitoring solution for wide use in the cold chain logistics, freezers, refrigerators and other temperature sensitive cases. Sensor uses advanced Blue-tooth 4.0 LE technology to get data from long distance, it can work from internal battery up to 300 days! Collected temperature and humidity information of the surrounding environment is transferred to FMB device which has possibility to support up to four temperature sensors at the same time.

Product Specification

- LED light indicating for different status
- High accuracy and stability;
- Bluetooth® 4.1;
- Long distance wireless transfer;
- Built-in highly sensitive temperature and humidity sensor;
- Real-time display temperature and humidity;
- You can set the alarm temperature range;
- Can be set the scope of temperature alarm;
- Can set normal storage temperature and humidity data interval and alarm

storage temperature and humidity data interval;

Technical characteristics	Discription
Size	50mm * 50mm * 16mm
Weight	30g
Signal transmission frequency	2.400 - 2.4835Ghz
Protocol standart	Bluetooth® 4.1
Modulation mode	GFSK
Send interval	2S, adjustable
Built-in battery	Panasonic CR2450 (620mAh/3V)
Output power	-4dBm, adjustable
Communication rate	1Mbps
Transmission distance	55 meters, adjustable
Battery life	Up to 300 days (Depends on the mode of operation, replaceable battery)
Operating temperature range	-25℃ ~ +60℃

Humidity detection range	0 ~ 85%RH
Temperature detection accuracy	±0.3 ℃ (0 ~ 60℃), ±0.3 ~ ±0.7 ℃ (other)
Humidity detection accuracy	±3 %RH (20 ~ 80%), ±4% (other)