

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°C ~ +60°C |

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