

WTH300

BLE Temperature and Humidity Sensor

The WTH300 is used to monitor temperature and humidity. It can be utilized in cold chain logistics, asset monitoring and other environmental management applications. It works with Queclink BLE trackers to collect environmental data.



HIGHLIGHTS

- Easy and Low Cost Installation
- Long Standby Time
- Low Power Alarm
- Long Distance Data Transmission
- Embedded Google @Eddystone

SPECIFICATIONS

Dimensions	70.6 × 38 × 17.8mm 2.78"(L) × 1.50"(W) × 0.70"(H)
Weight	43g (1.52oz)
Operating Voltage	2.7V ~ 3.3V DC
Operating Temperature	-40°C ~ +70°C
Carrier Frequency	2.4 GHz, supports BLE 4.2 protocol
Transmission Distance	Max 100m (open area)
Sensitivity	-40 to +4 dBm
Temperature Measure	Range: -40°C ~70°C Accuracy: 10°C ~50°C , error: ±0.5°C Accuracy: ≤10°C or ≥50°C , error: ±2°C

Humidity Measure	Range: 0%RH~100%RH Accuracy: 0%RH~90%RH, error: ±2.5%RH Accuracy: ≥90%RH, error: ±3.5%RH
Sampling Period	Once per second
Waterproof	IP66
LED Indicator	Indicates pairing or on/off status or low battery alarm
Transmission Mode	Periodic data broadcast (100ms to 10s)
Battery Life	Two FR03 Li-Fe batteries , 1250mAH, over 3 years lifetime
Low Power Alarm	LED turns to red and Indicated in the data sent to the receiver