

FT-TEMP04 User Manual v1.6



1 Product overview

TZ-BT04 is Bluetooth Low Energy temperature and humidity data logger with the latest Bluetooth 4.0 technology and Nordic NRF51822 chip. It can collect temperature and humidity of the surrounding environment. Such data can be recorded as history data. BT04 can store up to 12000 pieces of the temperature and humidity data. Mobile phone with Bluetooth 4.0 or above can download and install App. It can store and monitor temperature and humidity of the environment comprehensively. Its characteristics are small-sized, low-weighted, easily portable and highly accurate for wide use in cold chain logistics, archives, labs, museums, etc.

2 Product application

1. Refrigerated storage and transportation;
2. Archives;
3. Experimental (test) rooms;
4. Workshop;
5. Museums;
6. Pharmaceutical environment;
7. Fresh transport.

3 Product features

1. High accuracy and stability;
2. Bluetooth 4.0;
3. Long distance wireless transfer;
4. Built-in highly sensitive temperature and humidity sensor;
5. Real-time display temperature and humidity;
6. It can store 12000 pieces of temperature and humidity data;
7. You can set the alarm temperature range;
8. Can be set the scope of temperature alarm;
9. Can be set normal storage temperature and humidity data interval and alarm storage temperature and humidity data interval;
10. Can choose time to query data, the stored data can be saved in history;
11. History report can be sent to specified email;
12. By pairing Bluetooth printer to print the data report;
13. Can by OTA update version.

4 Product specification

Item	Specification
Signal transmission frequency	2.400 - 2.4835GHz
Protocol standard	Bluetooth 4.0
Modulation mode	GFSK
Send interval	2S, adjustable
Built in battery	CR2450,550mAh /3V

Output power	-4dBm, adjustable
Communication rate	1Mbps
Transmission distance	55 meters, adjustable
Storage	Can be save 12000 temperature and humidity data
battery life	300 day (Depends on the mode of operation, can replace battery)
Net weight	30g
Outline size	50mm*50mm*20mm
Detect temperature range	-40 °C ~ +125 °C
Operating temperature range	-25 °C ~ +60 °C
Humidity detection range	0~100%RH
Temperature detection accuracy	±0.3 °C
Humidity detection accuracy	±3%RH