

PT100 TEMPERATURE SENSOR

Overview

NETOP PT100 Temperature sensor is a long range wireless sensor which can measure temperature up to 450°C . This sensor is compatible with Bluetooth5.0 technology. The standard version of this sensor is powered by one replaceable 3.6 V AA sized battery (included with purchase).

Key Features

- Real plug & play
- Easy to mount & install
- Maintenance free – install & forget
- Secure communication
- Low Power Consumption
- Longer Range
- Certifications: CE



Communication Specs

- The sensor uses Bluetooth5.0 technology
- Compliant with unlicensed 2.4 GHz ISM band
- Internal Antenna
- Radio Performance : Upto +4 dBm TX power and -96 dBm RX sensitivity
- No PC required for operation

Mechanics

- Housing: ABS
- Dimensions: 65 x 55 x 27 mm
- Operating temperature: -40°C to +85°C

Data Security

- AES-128

Power Supply

- AA Battery 3.6 V Li-SOCI2-Saft LS 14500 (Standard 1 piece)

Indicators

- RGB Status LED (on board)

Sensor Specifications

Measurement Range	:	-20 °C ~ +450 °C
Accuracy	:	± 3° C
Resolution	:	0.1 °C
Data Transmission Period	:	15 minutes(default)

Certifications & Reliability

- CE
- Bluetooth® SIG certified
- EN 62479
- EN60950
- EN 301 489-1
- EN 301 489-17
- EN 300 328

Applications

- Monitoring of Liquid Temperature
- Ovens and cooking device monitoring
- Monitoring of Industrial Machine Temperature
- Chimney Temperature Monitoring
- Food Temperature Monitoring
- Medical and laboratory use