Temperature sensors

# Bluetooth Temperature and Humidity Sensor, Wall Mounted

Model CS-iBHT-01

Wireless Bluetooth 5.1 temperature and humidity sensor for indoor spaces, measuring 0–95%RH and 0°C ~ 50°C with typical ±2% RH and ±0.2°C accuracy at 25°C.



| Accuracy | Output |
|---|---|
| ±0.2°C (@25°C) | Bluetooth 5.1 |
| **Protection** | **Supply voltage** |
| IP30 | AA×2, 3V DC |

## Features

- Bluetooth 5.1, 15 m communication distance
- Powered by two AA batteries, 3V DC
- Low power consumption, long service life
- Wall mounted plastic shell, IP30

## Applications

Home climate monitoring, Office climate monitoring, Warehouse monitoring, Production workshop monitoring, Laboratory monitoring

## Specifications

### Performance

| | |
|---|---|
| Measuring range (humidity) | 0–95%RH |
| Measuring range (temperature) | 0°C ~ 50°C |
| Normal temperature accuracy (humidity) | ± 2% RH (@25°C, 20–80% RH, typical) |
| Hysteresis (humidity) | ±1.5% RH |
| Normal temperature accuracy (temperature) | ±0.2°C (@25°C) |
| Long-term stability (humidity) | ± 0.25% FS/year (typical) |
| Long-term stability (temperature) | ± 0.1% FS/year (typical) |
| Response time | ≤10s |

### Electrical

| | |
|---|---|
| Communication mode | Bluetooth 5.1 |

| | |
|---|---|
| Supply voltage | AA×2, 3V DC |
| Communication distance | 15 m |
| Insulation resistance | ≥100MΩ@100VDC |
| Insulation strength | 500VDC @ 1 minute (no sparks, arcing, no damage) |
| Electrostatic discharge (ESD) | ± 4 kV contact discharge, ± 8 kV air discharge |

**Mechanical**

| | |
|---|---|
| Degree of protection | IP30 |
| Shell material | Plastic |
| Installation method | Wall mounted |

**Environmental**

| | |
|---|---|
| Operating temperature | 0°C ~ 50°C |
| Storage temperature | -20°C ~ 60°C |

## Ordering and support

Pricing, samples, lead time and custom versions: dwinsales@163.com, +86 181 0280 8901.

Guangzhou Dwin Technology Co., Ltd., 4th Floor, Building 2, No. 4 Xingye Road, Xiaowu Second Industrial Zone, Dongyong Town, Nansha District, Guangzhou, China. Specifications are typical values and may change without notice; confirm critical values with DWIN before design-in. Revision 2026-11.