



Tzone Bluetooth Temperature & Humidity Sensor

The **Tzone Bluetooth Temperature & Humidity Sensor** is a high accuracy cargo condition monitoring wireless sensor for vans and heavy-duty vehicles with a non-detachable trailer. This sensor displays the temperature and humidity in real-time, collects the data and sends it to a tracking device. The sensor has LED lights to indicate different statuses.

Applications

- Cargo conditions monitoring
- Temperature and humidity monitoring

Key Features

- Replaceable battery
- Data logging option

Compatibility

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Detailed specifications

Measurement ratings

Temperature detection range	-25 °C to +60 °C
Temperature detection accuracy	±0.3 °C
Humidity detection range	0 to 100% RH
Humidity detection accuracy	±0.3% RH

Bluetooth specifications

Signal transmission frequency	2.40 to 2.48 GHz
Protocol standard	Bluetooth 4.1
Modulation mode	GFSK
Output power	+4 dBm (adjustable)
Communication rate	1 Mbps
Transmission distance	55 m (open field only)

Physical properties

Sensor Dimensions	50 x 50 x 16 mm
Net Weight	30 g

Battery specifications

Battery type	Panasonic CR2450, 550 mAh, 3 V
Battery life	Estimated 8 months with recommended configuration

Ordering information

TZ-BT04	Bluetooth sensor for cargo temperature and humidity monitoring
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