

# sensor

temperature

## **Continuous, automated temperature measurements.**

Reliably measures and stores air temperature data every 5 minutes. Ensures continuous records for audit and review.



## Features

- Simple to install
- Easy to use and no maintenance
- Reliable continuous measurements
- Intelligent data transfer – no lost records
- Supports static or mobile monitoring applications
- Flexible 'rule' configuration for sensor measurement and status – triggers alerts exactly when you need them

# sensor

temperature

## Technical Specifications

Dimensions	49.0 x 75.0 x 27.6mm
Weight	80g (inc. wall bracket)
Water resistance	IP67 rated
Power source	Non-rechargeable lithium thionyl chloride 3.6V Axial (2600mAh) AA size battery (sealed – not replaceable)
Ambient operating conditions	-30°C to +60°C at 0 – 100% humidity (condensing or non-condensing)
Wireless communication protocol	ZigBee® 2.4GHz (IEEE 802.15.4) Frequency range: 2400 – 2500 MHz, Max power: 8 dBm
Sensor type and integration	Measurement Specialities TSY502D (ASIC)
Temperature range	-30°C to +60°C
Temperature accuracy	±1.1°C (-30°C to -20°C) ±0.6°C (-20°C to -5°C) ±0.3°C (-5°C to +50°C) ±0.6°C (50°C to 60°C)
Temperature resolution	0.1°C
Data sampling/transfer rate	Data sampling every 5 minutes, data transfer every 15 minutes
Data storage capacity	5 days
Electronic certification	CE and FCC/UL compliant
User feedback modes	Magnetic reed switch and Red/Green LEDs for status indication