

# sensor<sup>+</sup>

## Flexible, automated monitoring solutions.

Configurable sensor heads for custom applications.

Ensures continuous records for audit and review.



Door



Temperature



Humidity & Temperature



Power Unit

## Features

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

## Technical Specifications

	sensor <sup>+</sup> temperature	sensor <sup>+</sup> humidity & temperature	sensor <sup>+</sup> door
Data sampling/transfer rate	Data sampling every 1 minute, data transfer every 5 minutes.	Data sampling every 1 minute, data transfer every 5 minutes.	Real-time read and transfer on door open/close status
Data storage capacity	1 day	1 day	1440 door open/close events
Electronic certification	CE and FCC/UL compliant	CE and FCC/UL compliant	CE and FCC/UL compliant
User feedback modes	Magnetic reed switch and Red/Green LEDs for status indication	Magnetic reed switch and Red/Green LEDs for status indication	Magnetic reed switch and Red/Green LEDs for status indication
<b>Sensor+ Head</b>			
Dimensions	49.0 x 37.4 x 32.9mm	49.0 x 37.4 x 32.9mm	14.0 x 38.0 x 8.5mm (x2)
Weight	90g (inc. wall bracket, sensor and cable)	90g (inc. wall bracket, sensor and cable)	60g (inc. door magnet, sensor and cable)
Water resistance	IP67 rated	---	IP67 rated
Ambient operating conditions	-20 to +60 °C at 0 to 100% humidity (condensing or non-condensing)	-20 to +60 °C at 0 to 100% humidity (condensing or non-condensing)	-20 to +60 °C at 0 to 100% humidity (condensing or non-condensing)
Sensor type and integration	Measurement Specialities TSYS02D (ASIC) with 2m external lead	Sensiron SHT21 with 2m external lead	Elmdene with 2m external lead
Temperature range	-20 to +60 °C	---	-20 to +60 °C
Temperature accuracy	±0.7 °C (-20 °C to -5 °C) ±0.4 °C (-5 °C to +50 °C) ±0.8 °C (+50 °C to +60 °C)	±1 °C (-20 to +5 °C) ±0.5 °C (5 to 60 °C)	---
Temperature resolution	0.1 °C	0.1 °C	---
Sensitivity	---	---	Magnetic activation ≤ 10mm from sensor
Humidity range	---	0 to 100 % humidity	---
Humidity accuracy	---	±5%ΔRH (0 to 20% and 80 to 100% RH range) ±3%ΔRH (20 to 80% RH range)	---
Humidity resolution	---	0.1%	---

## Power Unit

Dimensions	92.3 x 93.3 x 38.3mm
Weight	145g (inc. wall bracket)
Water resistance	Splash proof when mounted in correct position
Power source	Non-rechargeable lithium thionyl chloride 3.6V (2600 mAh) AA size battery (user replaceable)
Ambient operating conditions	0 to +40 °C at ≤ 90% humidity (non-condensing)
Wireless communication protocol	ZigBee <sup>®</sup> 2.4 GHz (IEEE 802.15.4) Frequency range: 2400 - 2500 MHz, Max power: 8 dBm