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EnOcean
Temperature/Humidity Sensor ❯

The EnOcean Temperature/Humidity Sensor is a maintenance free wireless device that regularly measures and reports the temperature and humidity in a space.

The Sensor is powered by a solar cell and features on-board energy storage that allows operation for days even in total darkness, with socket for optional coin cell battery backup for use in lowest light environments. The slim housing can be easily mounted vertically on walls, using the enclosed 2-sided adhesive tape.

FEATURES AND ADVANTAGES

EnOcean Wireless Communication	Easily paired with CoreSync Wireless Gateway for communication and data reporting
Self-powered	Long-term reliability and ease of installation
Super-compact size	Allows convenient and unobtrusive placement
Regular reporting	Provides frequent "signs of life" updates
Individualized sensing	Optimizes energy savings; granular temperature and humidity measurement

SPECIFICATIONS

Commercial Standards
Agency approvals FCC / ISED
UKCA / CE / BIS

Mechanical
Temperature sensing Measurement range: -4°F to 140°F,
resolution 0.18F,
-20°C to +60°C,
resolution 0.1°C

Humidity sensing Measurement range: 0-100% rh,
resolution 0.4% rh
Accuracy ±4.5% rh across
entire range, ±3% rh
between 20% and 80%

Measurement cycle time: Once every 100s

Operation time in darkness: Typ. 4 days

Operating conditions Temperature: -20°C to +60°C
(-4°F to 140°F)

Humidity: 0 to 93% rh, non-condensing;
IP40, indoor use only

Electrical
Primary power supply: Indoor light (solar, incandescent,
fluorescent, LED) 50 to 100,000 lux
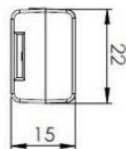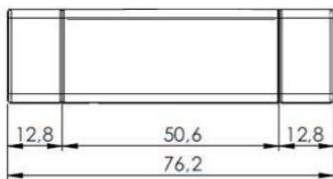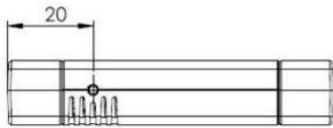**Backup power supply:** Optional battery (CR1225 – not included)

Dimensions
76 x 22 x 15 mm
(2.99" x 0.867" x 0.59")

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Product Application

The Wireless Temperature/Humidity Sensor Software communicates with the Molex CoreSync Control System for accurate and advanced building management.

ORDERING INFORMATION

SAP No.	Description
180997-0007	EnOcean Temp/Humidity Sensor, 902MHz NA
180997-0008	EnOcean Temp/Humidity Sensor, 868MHz EU

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