



XCM-THW-200

Applications

For residential

Outdoor amplified wireless probe

- External temperature and relative humidity sensor
- Fundamental for accounting purposes (UNI 9019:2013 standard)
- High sensitivity of the radio module
- Battery powered (included)

The **XCM-THW-200** amplified external probe combines a digital ambient **temperature** and relative **humidity** sensor for external environmental monitoring in a **compact device**.

The high sensitivity of the amplified radio module allows you to reach high distances (>300 m) in free air.

The external probe sends the temperature measured for metering purposes to the MaggiorDOMO system concentrator according to **UNI 9019:2013**.

The data on external temperature and relative humidity are also made available to users by displaying them on the chronothermostat.

Technical Features

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|------------------------|--|
| General specifications | Protection Range: IP65 Operative Temperature: -15 ÷ +60 °C |
| Case | Dimensions: 79 x 87 x 56 mm (W x H x D) Mounting: Panel mounting with supplied supports Material: PC/ABS, Self extinguishing: UL 94 V-O |
| Battery power supply | Supply Voltage: 2 x 1.5 V Battery Type: 2 type C, half torch Approximate Battery Life: > 6 years |
| Radio module | Supported Protocols: IEEE 802.15.4 ZigBee Pro® Radio Frequency: 2.4 GHz Output Power: +3 ÷ +20 dBm Sensitivity: -101 dBm Antenna Type: 1 internal Max Distance (Free Air): Over 300 m |
| Functionality | Radio Signal Indicator: Integrated (LinkQuality) Output Power Adjustment: From remotely Firmware Upgrade: Via radio |
| Temperature sensor | Measure Range: -40 ÷ +123.8 °C Precision: ±0.4 ÷ 25 °C Repeatability: ±0.1 °C Resolution: ±0.01 °C |
| Humidity sensor | Measure Range: 0 ÷ 100%RH Precision: ±3%RH from 20 to 80%RH Repeatability: ±0.1%RH Resolution: ±0.03%RH Hysteresis: ±1%RH Long Period Stability: <0.5%RH/year |
| Certifications | Referends Standard: UNI 9019:2013 |