



## 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)

# XCM-THW-200

### Applications

For residential

For the community

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

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