

# CMa11w

## Indoor temperature/humidity sensor, wireless M-Bus

CMa11w is a one-way wireless M-Bus temperature and humidity sensor for indoor use. The sensor offers high accuracy, user-friendliness and a long battery-life, up to 12 years. Readouts and configuration are easily performed via wireless M-Bus or by using a mobile phone (via NFC).



### Technical specification

#### Mechanics

Protection class	IP30
Dimensions (w x h x d)	80 x 80 x 25 mm
Mounting	Wall-mount
Weight	75 g

#### Electrical connections

Supply voltage	Batteri, lifespan 12 years
----------------	----------------------------

#### Environmental characteristics

Operating temperature	-20 °C to +55 °C
Operating humidity	0 to 95 %, no condensation
Operating altitude	0-2000 m
Pollution degree	Degree 2
Usage environment	Indoors
Storage temperature	-40 °C to +85 °C

#### User interface

LCD-display	No
Momentary values	Temperature, humidity, status
Historic values	Average value over the last hour and last day

#### Approvals

EMC	EN 61000-6-2, EN 61000-6-3
-----	----------------------------

#### Sensor characteristics

Measurement range, temperature sensor	-20 °C to +55 °C
Measurement range, humidity sensor	0 % RH to 100 % RH
Temperature sensor, margin of error	Temperature: 10 °C to 30 °C: ±0.2°C Temperature: 0 °C to 10 °C: ±0.4°C Temperature: -10 °C to 0 °C: ±0.5°C Temperature: below -10 °C or above 30 °C: ±1.5°C
Humidity sensor, margin of error	Humidity: 10 % RH to 90 % RH: ±2% RH Humidity: below 10 % RH or above 90 % RH: ±4% RH

#### M-Bus

Interfaces	M-Bus slave
M-Bus standard	EN13757-4. Communication by T1

#### M-Bus slave interface

Frequency, Wireless M-Bus	868,95 MHz
Transmit power	10 mW
Transmit interval	6 minutes
Encryption	Yes