

CMa10

Indoor temperature/humidity sensor, M-Bus

CMa10 is a two-way M-Bus temperature/humidity sensor developed for indoor usage. The sensor offers high accuracy, reliability and user-friendliness. Readout and configuration are easily performed via M-Bus, LCD display or by using a mobile phone (via NFC) CMa10 supports six different language options: Swedish, English, German, Spanish, Finnish and Italian.



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	From M-Bus
M-Bus slave port	Screw terminal, Cable 0.25-1.5 mm ²

Electrical characteristics

Nominal voltage	21-42 VDC
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Environmental characteristics

Operating temperature	0 °C to +50 °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

Approvals

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

Measurement range, temperature sensor	0 °C to +50 °C
Measurement range, humidity sensor	0 % 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

User interface

LCD-display	Yes
Momentary values	Temperature, humidity, status
Historic values	Average value over the last hour and last day

M-Bus

Interfaces	M-Bus slave
M-Bus standard	EN 13757
M-Bus baud rate, slave port	300 and 2400 bit/s