

LPN CM-2

Highlights

- LoRa® Class A
- Built in temperature and humidity Sensor
- Optional external sensor
- Two Standard AA Batteries
- USB for setup



RF Performance

- 14 dBm TX-Power, -137 dBm RX-Sensitivity
- Approx. 10 km range

Interfaces

- Built in temperature and humidity sensor
- Button to activate a measurement
- USB (for LoRa Setup)

Environment

- Operating temperature -25°C to +60°C
battery lifetime or battery operating temperature range is different
- Storage temperature -40°C to 85°C
- Rel. humidity 0% to 95% (not condensing)

General technical data

- 2 x AA Battery
- Status LED
- Housing: Polyamide (PA 6-GB 30)
- Dimensions (L x B x H) 114 x 64 x 31 mm

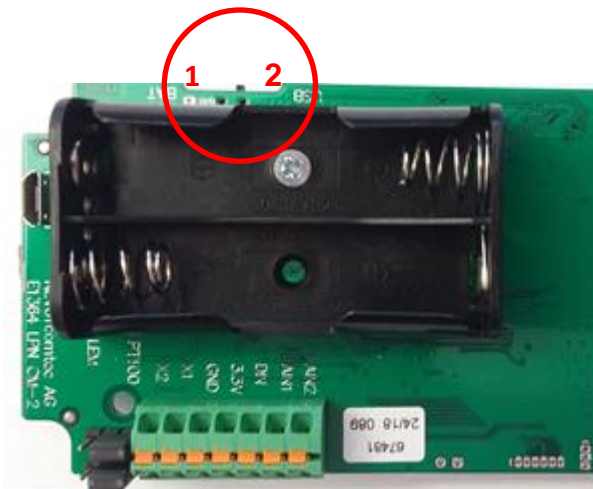
Reference

- LoRa® CM-2 technical manual

Norm & Safety

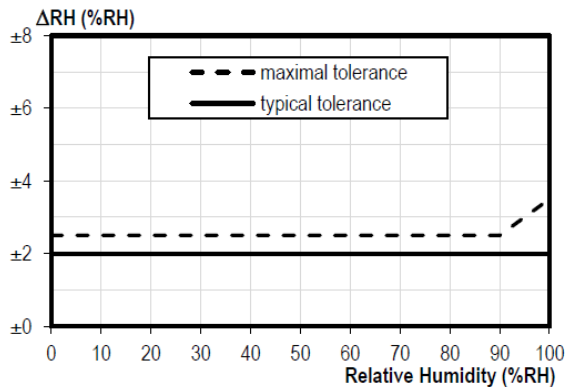
- EN 62368-1

Supply, Communication & Indicators

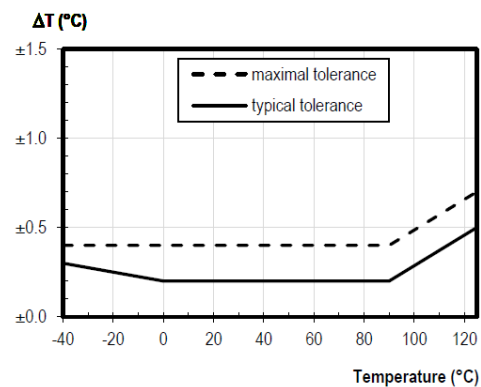


Name	Function	Interval
LED Green	LoRa Uplink sent	Flash
LED Orange	LoRa Downlink received	Flash
Switch	1 – Battery operation 2 – USB Supply operation	

Accuracy of the internal temperature sensor



Tolerance of RH at 25° C



Temperature Sensor Performance Graph

Order numbers

LPN CM-2-000

- Basic version, no external sensors, without hole for external sensor. Knickschutztülle liegt bei.

LPN CM-2-001

- Basic version, no external sensors with hole for external sensor

LPN CM-2-010

- External PT100 Sensor with class B (cable 1m diameter 6mm x 50mm)
- Measurement range external PT100 from -35°C to +105°C



LPN CM-2-011

- External PT100 Sensor with class B (cable 2m silicon, 8x8x15mm)
- Measurement range external PT100 from -50°C to +180°C



LPN CM-2-030

- External LEM converter
- LEM converter: Type
- Measurement Range up to 10A



LPN CM-2-040

- Internal brightness sensor