



- Sensor can be used with 5 VDC ... 9 VDC power supply and it can be a repeater.
- The CO2 measurement is self-calibrated, and its setting time is 1–3 weeks.
- During the first calibration period of 1–3 weeks, the sensor must be continuously connected to a power supply. After this, the calibration value is saved in the non-volatile memory.
- Self-calibration is carried out continuously as long as the sensor is connected to a power supply.
- During the first start-up, after 10 minutes, the sensor will set itself at the value of 650 ppm, which corresponds with high-quality indoor air in a room with a few people. At this stage, the sensor reliably measures any changes in CO2 concentrations, while the absolute measurement value may not be fully accurate.
- The self-calibration of the CO2 sensor is based on a daily minimum value, which the sensor assumes to be the level of fresh air. This is why the sensor is not suitable for applications where it is used 24/7.
- Room sensor has temperature and humidity measurement and also "AUX-screw connector".
- NTC10, ON/OFF state, transmitter or water leak sensor 0..100% can be connected to AUX- screw connector.
- Operating frequency 869MHz (6LoWPAN technology)

Technical information	Sensor case
Case	ABS plastic
Dimensions	90 x 96 x 26 mm
Installation	Surface installation
Operating temperature	-40...+85 °C
Operating voltage	5...9 VDC
Protection class	IP20
Temperature	
Meas. accuracy +10...60°C	± 0,3°C
Measurement area	-30...+100°C
Humidity	
Meas. accuracy 20...80%rh	± 3 %rH
Measurement area	0...100%rH
CO2	
Meas. accuracy 400-10 000ppm	± (30 ppm + 3%) between 400...10 000ppm
Measurement area	0...40 000ppm
Stabilation time	1-3 weeks
Any of the following measurements can be implemented by using the AUX connection:	
AUX temperature measurem.	
Measurement accuracy (25 °C)	± 0.3°C
Measurement area	-30°C...+50°C
AUX 0-10VDC transmitter	
Measurement accuracy	0.5% / 50mV
Measurement area	scaleable
Options	
WL-ROUTER POWER	
	External power supply for WL-TEMP-RH-CO2 2.1 sensor. 5VDC If you connect an external power supply to the sensor, the sensor become a routing sensor. Connection: Black -, White +
	The enclosed marking on the additional material of the product indicates that this product must not be disposed of together with household waste at the end of its life span. The product must be processed separately from other waste to prevent damage caused by uncontrolled waste disposal to the environment and the health of fellow human beings. The users must contact the retailer responsible for having sold the product, the supplier or a local environmental authority, who will provide additional information on safe recycling opportunities of the product. This product must not be disposed of together with other commercial waste.

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