

Comfort and Indoor Air Quality

CO2, Temperature and Humidity Ambient Sensor

TX CO2 T&H AMB 600-123



- Indoor air quality measurement
- Compatible with LoRaWAN & proprietary LoRa
- High-capacity D-type battery
- Up to 5 years of autonomy
- Very long radio range

Technical Specifications

Physical Characteristics

Protection rating	NEMA 1 / IP40
Application	Use in an indoor environment
Mounting	Wall-mounted
Operating temperature	-20 / +55°C
Operating relative humidity	20-80% (non-condensing)
Operating altitude	< 2000m
Operating pollution degree	3
Power supply	Replaceable Lithium 3.6V D-type battery
Battery life	2 years for a transmission every 30 minutes (SF9)

Radio

Supported protocols	LoRaWAN (Class A) and Enless LoRa mode
Frequency	US915
Addressing	LoRaWAN = DEVEUI, APPEUI, APPKEY (OTAA) Enless LoRa mode = Enless LoRa ID
Encryption	LoRaWAN = AES128 Enless LoRa mode = No encryption
Transmission power	25mW (14 dBm)

Measurements

CO2

CO2 measurement range 0 - 5000 ppm

CO2 measurement accuracy +/- 100 ppm

Temperature

Sensor measurement range -40 / + 125°C

Sensor accuracy +/- 0,2°C

Sensor resolution 0,1°C

Humidity

Sensor measurement range 0 - 100% rH

Sensor accuracy +/- 2% rH

Sensor resolution 0,1% rH

Certifications



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Dimensions (mm)

