

Comfort and Indoor Air Quality

CO2, VOC, Temperature and Humidity Ambient Sensor

TX CO2 VOC T&H AMB 600-023



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

Technical Specifications

Physical Characteristics

Protection rating	IP40
Mounting	Wall-mounted
Operating temperature	-20 / +55°C
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 proprietary LoRa
Frequency	868MHz
Addressing	LoRaWAN = DEVEUI, APPEUI, APPKEY (OTAA) Enless LoRa ID for proprietary LoRa
Encryption	LoRaWAN = AES128 No encryption for proprietary LoRa
Transmission power	25mW (14 dBm)

Measurements

CO2

CO2 measurement range 0 - 5000 ppm

CO2 measurement accuracy +/- 100 ppm

VOC

VOC measurement range 0 - 60 000 ppb

Conversion ppb / ug/m3 1 ppb = 4.5 ug/m3

Temperature

Sensor measurement range -40 / +125°C

Sensor accuracy +/- 0.2°C

Sensor resolution 0.1°C

Humidity

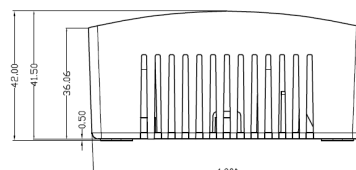
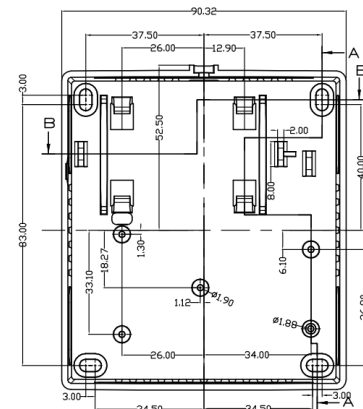
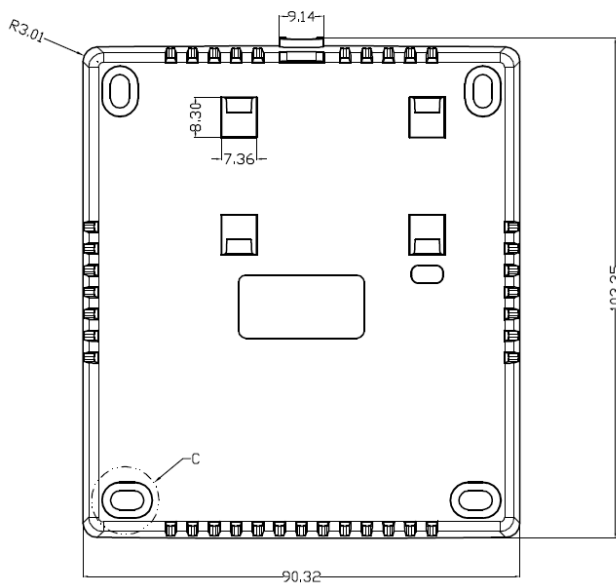
Sensor accuracy +/- 2% RH

Sensor resolution 0.1% RH

Certifications



Dimensions (mm)



DTM45-h



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