LoRa Wireless CO_2 Sensor

OVERVIEW

The purpose of using the LoRa Wireless CO_2 Sensor is to:

- Monitor CO_2 levels for indoor applications
- Monitor Air Quality (Temperature & Humidity)
- Trend Indication and Data Analysis
- Control multiple rooms with a single portable device

KEY FEATURES

- Portable Device - No Power Connection required
- Battery Life of 2 years with one reading per hour
- Configurable measurement sending interval
- Secure Data Transmission
- Dual-channel NDIR-Sensor
- Available as IP30 (MTC-CO2-05) and IP54 (MTC-CO2-06) version

APPLICATION

- Schools & Colleges
- Offices & Conference Rooms
- Hospitals & Wellness
- Villas & Apartments
- Shopping Malls & Food Warehouses
- Courtrooms, Banks & Hotels
- Cinemas & Museums
- Mushroom Farming & Wine Cellar

SPECIFICATIONS

Model No.	MTC-CO2-05, 06
Enclosure Size	95 x 95 x 48 mm
Net Weight	180 g
Ingress Protection	IP30 / IP54
Operating Temperature	-18°C to +55°C
OTAA and ADR	Compliant
NDIR-Sensor	CO_2 : 0-40.000 ppm Temperature: 0-70°C Humidity: 0-100% RH
Battery Life	2 Years

LoRa Frequency	EU863-870 (CE-Certified) IN865-867 (ETA-Certified) US902-928 AU915-928 AS923 -1, -2, -3, -4 KR920-923
SF Supported	7 – 12
Voltage	3V (2 x AA-Lithium Battery)
RF Output	14 dBm
NDIR-Sensor Accuracy	CO_2: ± 30ppm ± 3% (for 400-10.000 ppm) Temperature: ± 0.5°C Humidity: ±3% RH