

Smart COVID-19 CO2 LoRa Sensor



SPECIFICATIONS:

- **Model No:** MTC-CO2-01
- **Enclosure Size:** 95 x 95 x 55 mm
- **Net Weight:** 198 g
- **Operating Temperature:** -40°C to + 85°C
- **Voltage:** 220v AC / 5V DC
- **LoRa Frequency:**
 - EU 863-870 MHz
 - IN 865-867 MHz
 - US 902-928 MHz
 - AU 915-928 MHz
- **OTAA and ABP:** Compliant
- **Sensor:**
 - **CO2:** 0-40.000 ppm
 - **Temperature:** 0-70°C
 - **Humidity:** 0-100% RH
- **Sensor Accuracy:**
 - **CO2:** ± 50ppm
 - **Temperature:** ± 0.5°C
 - **Humidity:** ±3% RH

Overview:

The purpose of installing Smart COVID-19 CO2 LoRa based Sensor on the premise is to:

- **Monitor COVID-19 relevant CO2 in Rooms**
- **Air Quality (Temperature & Humidity)**
- **Direct Alert on Device (Buzzer and LED)**
- **Notify Responders**
- **Communicate Emergency**
- **Trend Indication and Data Analysis**

Key Features:

- **Automatic LED Alerts on threshold limits**
- **Real-time sensor measurement**
- **Configurable measurement sending interval**
- **Regular Heartbeat at configurable interval**
- **Secure Data Transmission**

Application:

- **School Classrooms**
- **Offices and Conference Rooms**
- **Hospitals**
- **Villas/Apartments**
- **Shopping Malls**
- **Courtrooms, Banks and Hotels**