

LoRa PM2.5 Sensor

OVERVIEW

The purpose of installing LoRa PM2.5 Sensor on the premise is to:

- Measure Particulate Matter Values PM1.0, PM2.5 and PM10
- Monitors Air Quality Index
- Trend Indication and Data Analysis

MUTELCOR



KEY FEATURES

- Laser-based optical technology sensor
- Real-time PM values measurement
- Configurable measurement sending interval
- Configurable Measurement modes - Average, Minimum and Maximum
- Eco-friendly including power adapter

APPLICATIONS

- Buildings and Construction Site
- Manufacturing Plants
- Petrol / Gas Pumps
- Smart City
- Hotels & Resorts

SPECIFICATIONS

Model No.	MTC-PM01
Enclosure Size	104 x 104 x 70 mm
Net Weight	350 g
Ingress Protection	IP30
Operating Temperature	15°C to +65°C
OTAA and ADR	Compliant
PM2.5 sensor measurement Range	0 – 1000 µg/m ³
PM2.5 output resolution	1 µg/m ³

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	100 - 240V AC / 3.3V DC, 1A
RF Output	14 dBm
Sensor Precision	± 10 µg/m ³ @ 0 – 100 µg/m ³ ± 10 % @ 101 – 1000 µg/m ³

