

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-scattering sensor with real-time measurement
- Configurable measurement sending interval
- Minimum recognizable particle size 0.3 μm
- Eco-friendly including power adapter

APPLICATION

- 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	-10°C to +60°C
OTAA and ADR	Compliant
PM Laser-Sensor Range	Range: 0.3 - 10 μm PMC Range: 0 - 500 $\mu\text{g}/\text{m}^3$ Max Range: $\geq 1000 \mu\text{g}/\text{m}^3$

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 Consistency	Resolution: 1 $\mu\text{g}/\text{m}^3$ $\pm 10\%$ @ 100- 500 $\mu\text{g}/\text{m}^3$ $\pm 10\mu\text{g}$ @ 0- 100 $\mu\text{g}/\text{m}^3$

