

LoRa PM2.5 Sensor

OVERVIEW

The purpose of installing LoRa PM2.5 Sensor :

- Measure precise PM1.0, PM2.5 and PM10 values
- Real-time monitoring of Air Quality Index
- Trend Indication and Data Analysis

KEY FEATURES

- AI-based fanless laser sensor
- Configurable sending interval
- Multiple measurement modes - Avg, Min, Max
- Maintenance free with long life
- Eco-friendly including power adapter

SPECIFICATIONS

Model No.	MTC-PM01
Enclosure Size	104 x 104 x 70 mm
Net Weight	200 g
Ingress Protection	IP30
Operating Temperature	-10°C to +65°C
OTAA and ADR	Compliant
Sensor measurement Range (PM2.5)	0 – 1000 µg/m³
Sensor output Resolution (PM2.5)	1 µg/m³

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APPLICATIONS

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

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/m³ @ 0 – 100 µg/m³ ± 10 % @ 101 – 1000 µg/m³

