

# 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

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

<b>LoRa Frequency</b>	EU863-870 (CE-Certified) IN865-867 (ETA-Certified) US902-928 AU915-928 AS923 -1, -2, -3, -4 KR920-923
<b>SF Supported</b>	7 – 12
<b>Voltage</b>	100 - 240V AC / 3.3V DC, 1A
<b>RF Output</b>	14 dBm
<b>Sensor Precision</b>	± 10 µg/m <sup>3</sup> @ 0 – 100 µg/m <sup>3</sup> ± 10 % @ 101 – 1000 µg/m <sup>3</sup>

