

# LoRa Air Quality Sensor

## OVERVIEW

The purpose of installing a LoRa based Air Quality Sensor Solution on the premise is to:

- Monitor Temperature and Humidity
- No external probe required
- Triggers alarms on exceeded thresholds
- Notify Responders
- Trend Indication

## KEY FEATURES

- 5 Years Battery Life
- Configurable measurement sending interval
- Regular Heartbeat with Battery Status
- Secure Data Transmission
- Change configurations in real-time with OTA Commands
- Available as IP30 (MTC-AQ01), IP67 (MTC-AQ02) and IP54 (MTC-AQ03) version

## SPECIFICATIONS

<b>Model No.</b>	MTC-AQ01, 02, 03
<b>Enclosure Size</b>	95 x 95 x 40 mm
<b>Net Weight</b>	175 g
<b>Operating Temperature</b>	-18°C to +55°C
<b>Sensor</b>	Temperature, Humidity
<b>Sensor Range</b>	Temperature: -40-125°C Humidity: 0-100% RH
<b>Sensor Accuracy</b>	Temperature: ± 0.2°C Humidity: ±1.8% RH
<b>Ingress Protection</b>	IP30 / IP67 / IP54

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## APPLICATION

- Hospitals/Blood Banks
- Educational Institutions
- Villas/Apartments
- Manufacturing Units
- Shopping Malls
- Commercial Complexes
- Airports
- Banks
- Museums

<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>OTAA and ADR</b>	Compliant
<b>RF Output</b>	14 dBm
<b>Voltage</b>	3V (2 x AA-Alkaline Battery)
<b>Battery Life</b>	5 Years