

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

Model No.	MTC-AQ01, 02, 03
Enclosure Size	95 x 95 x 40 mm
Net Weight	175 g
Operating Temperature	-18°C to +55°C
Sensor	Temperature, Humidity
Sensor Range	Temperature: -40-125°C Humidity: 0-100% RH
Sensor Accuracy	Temperature: $\pm 0.2^{\circ}\text{C}$ Humidity: $\pm 1.8\%$ RH
Ingress Protection	IP30 / IP67 / IP54

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APPLICATION

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

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

