

Technical Specifications – Ambient Air Quality Monitoring System (AQMS)



Measured Parameters

PM10: 0 – 1500 µg/m³
PM2.5: 0 – 1000 µg/m³
PM1: 0 – 500 µg/m³
NOx: 0 – 1000 ppb (Optional)
CO: 0 – 50 ppm (Optional)

Environmental Sensors

Temperature Range: –20°C to +110°C
Humidity Range: 0 – 100 %RH
Accuracy: ±0.5°C (Temperature), ±3%
RH

Data Management

Real-time data logging
Internal memory storage
USB / RS485 / Ethernet / GSM
(Optional)
CPCB / MPCB compatible data format

Power & Enclosure

Power Supply: 230V AC, 50 Hz
Enclosure: IP65 weather-proof
Operating Temperature: –20°C to +60°C

Control & Display

HMI Touch Screen Control Panel
Real-time parameter display
Alarm & warning indication
Outdoor high brightness LED display with AQI indication

Compliance & Application

Designed for CPCB / MPCB / NGT compliance
Suitable for Industries, Construction Sites & Smart City applications

Installation

Pole / Wall / Rooftop mounting
Indoor HMI with outdoor sensor & LED display