

SENSADUST

Advanced Air Monitoring Solutions

An affordable, stationary, ambient air quality monitor that measures particulate matter, temperature and relative humidity

FEATURES

- IoT technology
- Real-time air quality data transmission
- On-device LCD screen that displays real-time data
- WIFI | GPS | 4G*
- In-built memory of 32GB
- Battery backup (6-7 hours, 12-14 hours*) • Solar compatible device*
- Data frequency of 1 minute (default)



INSTALLATION: Is easy and last mile deployments can be made available on request.

MAINTAINANCE: Sensors require minimal maintenance as they are pre-calibrated in factories. Replacement of sensors is easy and as per requirements.

DATA ACCESS: Data can be accessed through
1. SD card (manually or wirelessly) 2. API links 3. Cloud-based analytics dashboard (cluster map visualisations, averaging feature & statistical analysis)

WARRANTY: The sensors are covered for up to one year against manufacturing defects.

WEATHERPROOF: The devices use an IP65 enclosure but to provide additional protection to airvents a weatherproof case* can be provided.

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PRODUCT SPECIFICATIONS

Dimensions: 170x125x67 mm

Weight: 400 gms

Accessories: Adaptor(5v,2A) x 1, Charging Cable (106 cm) x 1, Mounting wall clamber x 2, Cable zip tie x 2, Power rating: 5V, 2A (max.)

SENSOR SPECIFICATIONS

Particulate matter (PM1, PM2.5 & PM10)

- Detection method: Laser scattering
- Detection threshold: 0 to 1,000 µg/m³
- Resolution: 1 µg/m³
- Accuracy: ~0.8R₂, ~MAPE 15%

Ambient Temperature

- Detection threshold: -10 to 45 deg C
- Resolution: 0.5 deg C
- Accuracy - ± 0.5 deg C

Ambient Relative humidity

- Detection threshold: 0 to 100%
- Resolution: 1% • Accuracy - ± 1%

ADD-ON SENSORS*

Noise, Carbon monoxide, Carbon dioxide, Sulphur dioxide, Nitrogen dioxide, Ozone, Total volatile organic compounds, Formaldehyde