

AMBIENT AIR QUALITY MONITOR

THE LATEST IN INDOOR AIR QUALITY MONITORING & REAL-TIME DATA LOGGING FOR IAQ ANALYSIS IN HOMES, SCHOOLS, OFFICES, AND MUCH MORE



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AIR QUALITY MONITOR

Particle pollution (also called particulate matter or PM) is the term for a mixture of solid particles and liquid droplets found in the air. Cities and workplaces are increasingly becoming pollutant due to rampant construction and vehicular movement.

High levels of dust, especially PM2.5, in outdoor air prompt residents to keep windows shut in an attempt to prevent air pollutants from entering houses.

Instances of sick building syndrome are increasingly being reported from our cities particularly in schools, colleges and large work zones.

Elements coming into your home from the outside can be dangerous to your health.

ENDEE is introducing an indigenous instrument for measuring air quality, with capability to simultaneously monitor and record concentrations of PM2.5, PM10. The fine dust PM2.5 and PM10 will be determined by a built in air pollution monitor. A built in sequential sampler is able to collect fine dust PM2.5 or PM10 for gravimetric evaluation. Its data logging and computer interface features can be used for further detailed analysis. A built-in data-logger reports Live Data on a graphics LCD besides recording values in SD card memory. Typical applications include Industrial Hygiene, Facility Management, Checking Ambient Air Quality, and Surveys in Clinics, Hospitals and Schools.

SPECIAL FEATURES

- Remote controlled operation and maintenance
- Automatic operation
- Self diagnostic check
- Accommodate up to four sensors
- Diffusion or suction sampling
- Long life rechargeable batteries
- Data logging and RS 232 output capability
- Intrinsically safe
- Compact design
- Light Weight, Durable, and Easy to transport Design
- Large Internal Memory
- Li-ion Rechargeable Battery
- Easy to Use Menu System
- Optional Handheld Probe
- Optional Wireless Remote Printer
- Easy Built-in, Menu-driven calibration procedure

SPECIFICATIONS

Type	: Portable
Detectable gases / parameters	: PM2.5, PM10, CO, SOx, NOx, VOC
Electronics / processor	: Micro-controller
Power supply	: Rechargeable battery with charger
Display	: Graphic LCD
Alarm	: Audio / visual
Output	: RS - 232, Data logger
Technology	: EC for gases / LASER for PM
Resolution	: 1 $\mu\text{g}/\text{m}^3$
Accuracy	: $\pm 2\%$ FS & 0.5 %
Response time	: Less than 30 sec
Operating temperature	: 0 to 55 °C
Sampling / input	: Diffusion
Housing / case	: ABS HI-Impact Plastic
Included accessories	: Carrying case
Applications	Ambient monitoring / gas leakage
Humidity	: 5% to 90% non-condensing
External dimension	: 225 X 106 X 40 mm approximately
Weight	: 750 gm (gross)

GASES AND RANGES

1. CO	: 0 - 1000 $\mu\text{g}/\text{m}^3$	4. VOC	: 0 - 1000 $\mu\text{g}/\text{m}^3$
2. SOx	: 0 - 1000 $\mu\text{g}/\text{m}^3$	5. PM2.5	: 0 - 1000 $\mu\text{g}/\text{m}^3$
3. NOx	: 0 - 1000 $\mu\text{g}/\text{m}^3$	6. PM10	: 0 - 1000 $\mu\text{g}/\text{m}^3$

Note : Images shown are indicative only. Specifications and Features will vary with application. There may be changes overtime due to continuous development process.
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