

Portable Air Quality Monitor

Model : AQ - 101



Protects **Personnel, Plant
& Assets**

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



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.

HNL 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

HNL Systems Pvt. Ltd.

Administrative & Sales Office: 25/N, Laxmi Industrial Estate, New Link Road, Andheri (W), Mumbai – 400 053, India. Tel : +91 22 4295 2180 / 81.

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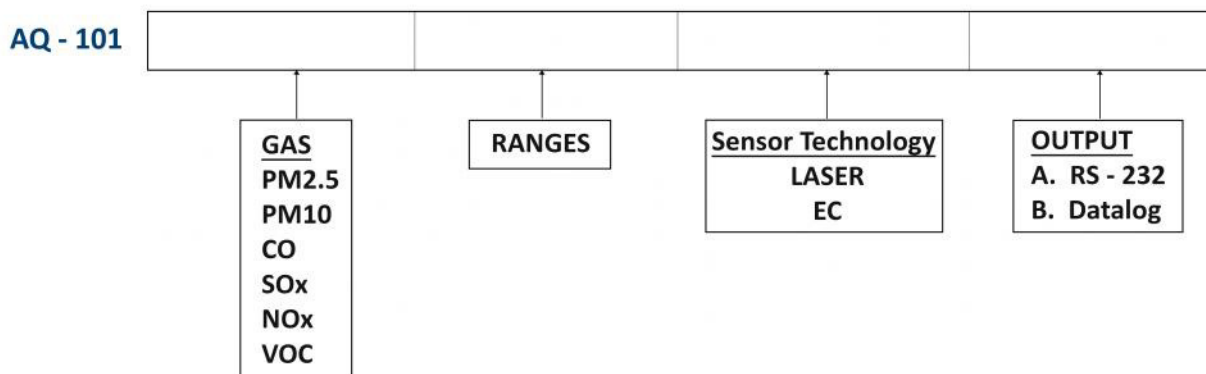
SPECIFICATIONS

Type	Portable
Detectable gases / parameters	PM2.5, PM10, CO, SO _x , NO _x , 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 µg/m ³
Accuracy	± 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 µg/m ³	3. NO _x : 0 - 1000 µg/m ³	5. PM2.5 : 0 - 1000 µg/m ³
2. SO _x : 0 - 1000 µg/m ³	4. VOC : 0 - 1000 µg/m ³	6. PM10 : 0 - 1000 µg/m ³

ORDERING INFORMATION



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