

Indoor Air Quality Station

Model : AQ - 150



Protects **Personnel, Plant
& Assets**

INEXPENSIVE AND COMPACT AIR QUALITY MONITORING STATION

PM₁, PM_{2.5}, PM₁₀
VOC
CO₂
O₃



IDEAL FOR PM 2.5, PM 10, AND GASEOUS POLLUTANTS FOR SIMULTANEOUS DISPLAY

TECHNOLOGY

Air Quality stations deliver precise measurement data in real-time for a wide range of air pollutants in a discreet and compact package. Measureable parameters include: ozone (O₃); nitrogen dioxide (NO₂); nitrogen oxides (NO_x): carbon monoxide (CO); carbon dioxide (CO₂); sulphur dioxide (SO₂); volatile organic compounds (VOC); and particulate matter by mass (PM₁₀ and PM_{2.5}) or size distribution (0.3 to 10 µm, 8 – channels).

HNL's AQ - 150 affords high performance within a flexible and cost-effective package. Sensors can be integrated that measure temperature, humidity, wind speed, wind direction, environmental noise, solar radiation and other meteorological parameters. Data is stored on internal memory and is remotely accessible in real-time via GSM modem, low power radio, Ethernet or other communications.

Air Quality Station AQ - 150 meets the global trend towards real-time measurement of air quality in the micro-environment. This is driven by the need to answer important questions in localized areas of human habitation using newer, smaller, lower cost, intelligent measurement technology linked by inexpensive network communication systems.

SPECIAL FEATURES

- Multiple gas measurements
- Real-time data acquisition
- Remote site operation
- Pole or wall installation
- Compact and low weight
- Factory calibrated
- Temperature and humidity sensors
- Particle monitoring PM_{2.5}, PM₁₀ TSP*
- Wind speed and direction sensors*

APPLICATIONS

- Indoor Air Quality Monitoring
- Roadside and tunnel monitoring
- Urban air quality measurement
- Perimeter (fence line) and point source emissions monitoring
- Low cost air quality networks to support reference AAQM stations
- Long term air quality trend analysis
- Local community exposure: residential, schools, hospitals, etc

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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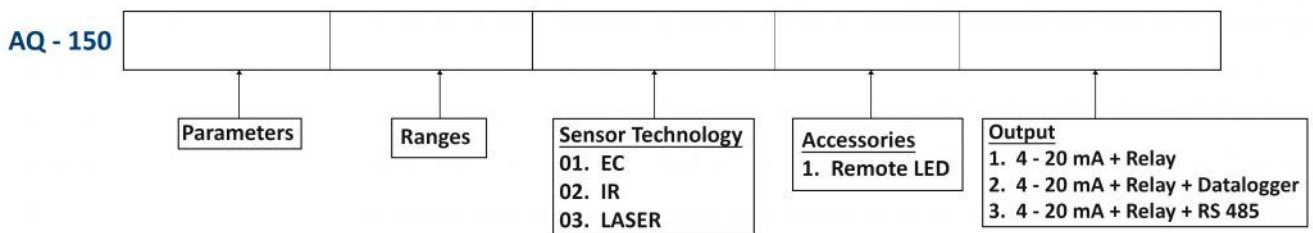
SPECIFICATIONS

Type	Portable
Detectable gases / parameters	PM 1, PM 2.5, PM10
Electronics / processor	Micro controller
Power supply	230 V AC
Display	Graphics LCD
Alarm	Adjustable LOW and HIGH
Output	Relays, 4 - 20 mA analog, RS 485, datalogging
Technology	EC & IR for gases, LASER for PM
Resolution	0.01 µg/m ³
Accuracy	± 2 %
Response time	Sensor Dependent
Operating temperature	0 - 55 °C
Sampling / input	Direct plug-in
Housing / case	Sheet steel
Optional accessories	Remote LED display - max. size 4" height
Lowest detection	0.01 µg/m ³
Accuracy	8 % NIOSH 0600
Precision	3 µg/m ³
Sharp cut points	PM1 / PM 2.5 / PM 10
Power	5.2 W
Sampling rate	2 - 255 min
Self diagnostic	Yes

GASES & RANGES

1. CO ₂ : 0 - 2000 PPM (0 - 15000 µg/m ³)	4. PM2.5 & PM10 : 0 - 1000 µg/m ³
2. CO : 0 - 50 PPM (0 - 15000 µg/m ³)	5. VOC : 0 - 150 PPM
3. O ₃ : 0 - 20 PPM (0 - 3000 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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