

# Indoor Air Quality Monitor

Model : AQ - 102



Protects **Personnel, Plant  
& Assets**

## REALTIME INDOOR AIR QUALITY MONITORING WITH DATA TRANSFER



VOC  
CO  
CO<sub>2</sub>  
RH & Temp  
Time and Date

PM<sub>2.5</sub>  
PM<sub>10</sub>  
SO<sub>x</sub>  
NO<sub>x</sub>  
Ozone

### TECHNOLOGY

Work environments as well as homes and offices often require that people spend a majority of their time indoors. The air quality indoors can be upto 8 times worse than outdoors. As a result, individual's long-term health and comfort are largely dependent upon indoor air quality.

Providing a comfortable, safe and healthy indoor environment is an increasingly important concern. Good indoor air quality increases concentration and productivity which can reduce health issues.

AQ - 102 is a wall mounted / Tabletop, multi-function instrument which features a menu-driven user interface for easy operation and provides quick, accurate information to measure and assess key IAQ (Indoor Air Quality) parameters.

### SPECIAL FEATURES

- Indoor monitoring device for Air Quality Management
- Operated on 220 VAC adapter 3.7V DC Li-Ion battery backup for Emergency (2 hrs)
- Simple 5 buttons operation
- Displays up to 5 parameters – with Date and time
- User settable alarms and ranges
- Continuous measurement of Air Contaminants

### APPLICATIONS

- IAQ investigations
- Industrial hygiene surveys
- Baseline trending and screening
- Building commissioning
- Tracking down emissions to their source (point source location)

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## AVAILABLE MODELS



WITH GRAPHIC LCD DISPLAY



TFT DISPLAY TOUCHSCREEN  
(OPTIONAL)

## SPECIFICATIONS

Type	Portable, Wall mounted, Table top
Detectable gases / parameters	VOC, CO, CO <sub>2</sub> , PM <sub>2.5</sub> , PM <sub>10</sub> , RH & Temp, SO <sub>x</sub> , NO <sub>x</sub> , Ozone
Electronics / processor	Micro-controller
Power supply	230 VAC through 5V adapter
	2 hrs battery backup
Display	Graphic LCD display or 3.5" TFT display Touchscreen (optional)
Alarm	Warn / Alarm, Alarm Indication by change in color
Output	One Relay, USB, Wifi
Resolution	0.1 PPM
Accuracy	± 2 %
Response time	Less than 30 seconds
Operating temperature	0 - 55 °C
Sampling / input	Diffusion
Housing / case	ABS Plastic
Mounting	Wall mount
Dimensions	150 * 100 * 15 mm

## GASES & RANGES

1. CO : 0 - 1000 $\mu\text{g}/\text{m}^3$	4. PM <sub>2.5</sub> & PM <sub>10</sub> : 0 - 999.9 $\mu\text{g}/\text{m}^3$	7. SO <sub>x</sub> : 0 - 1000 $\mu\text{g}/\text{m}^3$
2. CO <sub>2</sub> : 0 - 1000 $\mu\text{g}/\text{m}^3$	5. RH : 0 - 100 %	8. NO <sub>x</sub> : 0 - 1000 $\mu\text{g}/\text{m}^3$
3. VOC : 0 - 1000 $\mu\text{g}/\text{m}^3$	6. Temp : 0 - 70 °C	9. Ozone : 0 - 500 $\mu\text{g}/\text{m}^3$

## COMBINATION OF GASES

- A. RH & Temp + CO + CO<sub>2</sub> + VOC
- B. RH & Temp + PM<sub>2.5</sub> + PM<sub>10</sub>
- C. RH & Temp + SO<sub>x</sub> + NO<sub>x</sub> + Ozone

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