

# AQ EXPERT



**Portable Air Quality Monitor Providing the Latest in Monitoring & Data Logging for IAQ Testing in Buildings, Hospitals, Universities, Labs, Clean Rooms, Airports and More**



## Accurate / Reliable / Robust / Fast

- Customize Up To 7 Gases
- Temp., %RH, & Barometric Pressure Included
- Real-Time Continuous Data Logging
- Active Internal Sampling Pump
- Large Internal Memory (2,000)
- Wireless Communication with PC & Printer
- Portable with Swivel Handle



Select Up to **7 Gases** in Total:  
TVOCs, CO<sub>2</sub>, CO, Formaldehyde,  
NO<sub>2</sub>, NO, O<sub>2</sub>, O<sub>3</sub>, (Ozone), SO<sub>2</sub>,  
H<sub>2</sub>S



Long Lasting Rechargeable  
Battery & AC Charger



Light Weight, Durable, &  
Easy to Operate



Real Time PC Software &  
USB Cable

Parameter	Sensor	Range	Resolution	Accuracy
Ambient Temperature	Pt100	-40 to 257 °F -40 to 125 °C	0.1 °F 0.1 °C	±2 °F (32 - 140 °F) ±0.4 °C (0 - 60 °C)
Relative Humidity	TFC	5 - 95 %	0.1 %	±2 % RH
Barometric Pressure	Solid state	260 - 1260 mbar	1 mbar	±2 mbar
CO <sub>2</sub>	NDIR	0 - 5,000 ppm	1 ppm	±2 % rdg ±10 ppm
CO <sub>2</sub> High	NDIR	0 - 20 %	0.1 %	±3 % rdg
CO	Electrochemical <sup>1</sup>	0 - 200 ppm	0.1 ppm	±4 % rdg ±0.5 ppm
VOCs	PID	0 - 20,000 ppb 0 - 46,000 µg/m <sup>3</sup>	1 ppb 1 µg/m <sup>3</sup>	±10 % rdg ±20 ppb
VOCs	PID	0 - 200 ppm 0 - 460 mg/m <sup>3</sup>	1 ppm 1 mg/m <sup>3</sup>	±10 % rdg ±2 ppm
O <sub>2</sub>	Electrochemical	0 - 25 %	0.1 %	±0.1 % rdg
O <sub>3</sub> (Ozone)	Electrochemical <sup>2,3,4</sup>	0 - 5,000 ppb	1 ppb	-
H <sub>2</sub> S	Electrochemical <sup>1</sup>	0 - 100 ppm	1 ppm	±4 % rdg ±0.5 ppm
CH <sub>2</sub> O (Formaldehyde)	Electrochemical <sup>2,3</sup>	0 - 10,000 ppb	1 ppb	±5 % rdg ±50ppb
NO	Electrochemical <sup>1</sup>	0 - 250 ppm	0.1 ppm	±4 % rdg ±0.5 ppm
NO <sub>2</sub>	Electrochemical <sup>1,4</sup>	0 - 20 ppm	0.1 ppm	±4 % rdg ±0.5 ppm
SO <sub>2</sub>	Electrochemical <sup>1,4</sup>	0 - 20 ppm	0.1 ppm	±4 % rdg ±0.5 ppm
Differential Pressure	Bridge	±40.0 inH <sub>2</sub> O ±100.00 mbar	0.1 inH <sub>2</sub> O 0.25 mbar	±1 % rdg
Temperature Type K T1	Tc K	0 - 2000 °F 0 - 1100 °C	1 °F 1 °C	±2 % rdg
Air Velocity	Calculated	0 - 300 ft/sec	1 ft/sec	-
Electromagnetic Compatibility	EN 61326-1, Portable Equipment			

## Optional Accessories



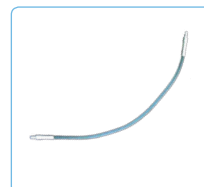
Sampling Probe  
(E85AACSF13)



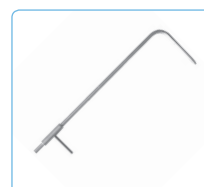
Zero Filter for Calibration  
(AQ CAL-ZF)



Wireless Bluetooth Printer  
(EE900P)



Moisture Exchange Tube  
for Calibration  
(AQMET)



Pitot Tube for Air Velocity  
(BB610032)



Carrying Case  
(E858140)

<sup>1</sup>Other ranges are available upon request    <sup>2</sup>Accuracy based on laboratory conditions

<sup>3</sup>This sensor may have interference from H<sub>2</sub>, CO, H<sub>2</sub>S and other reducing gases such as alcohols

<sup>4</sup>All three O<sub>3</sub>, NO<sub>2</sub>, & SO<sub>2</sub> sensors cannot concurrently be installed in one instrument

