

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

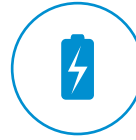


Accurate / Reliable / Robust / Fast

- 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, CO₂, CO, Formaldehyde,
NO₂, NO, O₂, O₃, (Ozone), SO₂, H₂S



Long Lasting Rechargeable
Battery & AC Charger

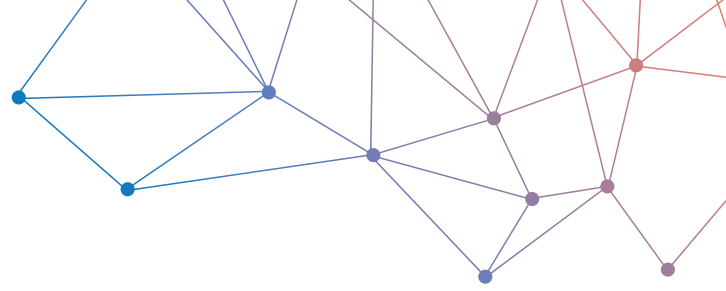


Light Weight, Durable, &
Easy to Operate



Real Time PC Software &
USB Cable

AQ EXPERT



Applications



Airports



Offices



Laboratories

Customizable for Your Application

Up to 7 different toxic gases to meet the needs of most air quality analyses

Easy Calibration

Built-in menu driven calibration procedure

REAL-TIME Data Logging

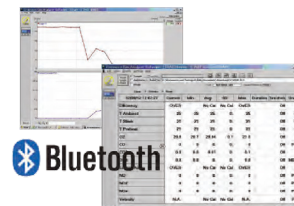
Save & graph data via USB or wireless Bluetooth to your PC or tablet

Made in the U.S.A.

Designed and manufactured in the USA



- CO₂
- CO
- CH₂O
- SO₂
- O₂
- NO
- H₂S
- VOCs
- %RH
- NO₂



AQ Gas Real-Time Data Logging Software

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 ₂	NDIR	0 -5,000 ppm	1 ppm	±2 % rdg ±10 ppm
CO ₂ High	NDIR	0 - 20 %	0.1 %	±3 % rdg
CO	Electrochemical ¹	0 - 200 ppm	0.1 ppm	±4 % rdg ±0.5 ppm
VOCs	PID	0 - 20,000 ppb 0 - 46,000 µg/m ³	1 ppb 1 µg/m ³	±10 % rdg ±20 ppb
VOCs	PID	0 - 200 ppm 0 - 460 mg/m ³	1 ppm 1 mg/m ³	±10 % rdg ±2 ppm
O ₂	Electrochemical	0 - 25 %	0.1 %	±0.1 % rdg
O ₃ (Ozone)	Electrochemical ^{2,3,4}	0 - 5,000 ppb	1 ppb	-
H ₂ S	Electrochemical ¹	0 - 100 ppm	1 ppm	±4 % rdg ±0.5 ppm
CH ₂ O (Formaldehyde)	Electrochemical ^{2,3}	0 - 10,000 ppb	1 ppb	±5 % rdg ±50ppb
NO	Electrochemical ¹	0 - 250 ppm	0.1 ppm	±4 % rdg ±0.5 ppm
NO ₂	Electrochemical ^{1,4}	0 - 20 ppm	0.1 ppm	±4 % rdg ±0.5 ppm
SO ₂	Electrochemical ^{1,4}	0 - 20 ppm	0.1 ppm	±4 % rdg ±0.5 ppm
Differential Pressure	Bridge	±40.0 inH ₂ O ±100.00 mbar	0.1 inH ₂ 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



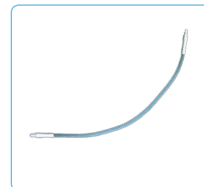
Sampling Probe
(E85AACSF13)



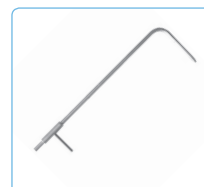
Zero Filter for Calibration
(AQ CAL-ZF)



Wireless Bluetooth Printer
(EE900P)



Moisture Exchange Tube
for Calibration
(AQMET)



Pitot Tube for Air Velocity
(BB610032)



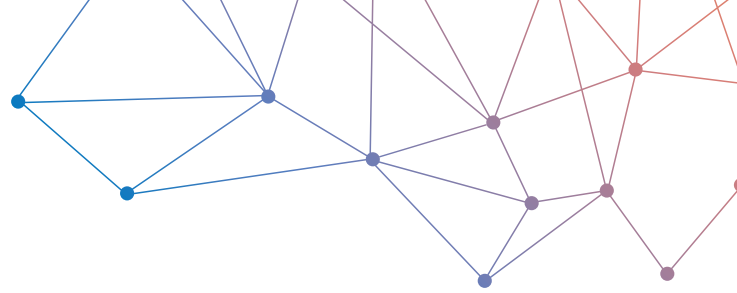
Carrying Case
(E858140)

¹Other ranges are available upon request ²Accuracy based on laboratory conditions

³This sensor may have interference from H₂, CO, H₂S and other reducing gases such as alcohols

⁴All three O₃, NO₂, & SO₂ sensors cannot concurrently be installed in one instrument





AQ EXPERT

Ordering Code

Part # EXPERT - _ - _ - _ - _

Example: EXPERT-C2-C-V1

Ambient Temp, %RH, Barometric Pressure,
CO₂ (0-5,000 ppm), CO (0-200 ppm), VOC (0-20,000 ppb)



All AQ EXPERT Kits Include:

• Ambient Temperature, % Relative Humidity
• Barometric Pressure, Wet Bulb & Dew Point
• Continuous Internal Sampling Pump
• REAL-TIME Data Logging
• PC Software with USB Cable
• Wireless Bluetooth & External Dongle
• Dual-Channel TcK (Differential Temperature)
• Differential Pressure
• Operating Manual
• Swivel Handle for Easy Transport
• Rechargeable Battery & AC Charger
• Factory Calibration Certificate

Add Up To Seven (7) Additional Sensors:

C2*	CO ₂ Sensor (0-5,000 ppm)
C*	CO Sensor (0-200 ppm)
V1	VOC Sensor (0-20,000 ppb)
V2	VOC Sensor (0-200 ppm)
N*	NO ₂ Sensor (0-20 ppm)**
Z	O ₃ Sensor (0-5 ppm)**
H*	H ₂ S Sensor (0-100 ppm)
O	O ₂ Sensor (0-25%)
S*	SO ₂ Sensor (0-20 ppm)**
X*	NO Sensor (0-250 ppm)
F	CH ₂ O Sensor (0-10,000 ppb)

* Other ranges are available upon request

** The following sensors: O₂, NO₂, & SO₂ cannot concurrently be installed on one instrument

Optional Accessories:

E858140	Protective Carrying Case
AQ CAL-ZF	Ambient Air Zero Filter
AQ MET	Moisture Exchange Tube for Calibration
E85AACSF13	12" (300mm) Probe, 10' (3m) Dual Hose
EE900P	Wireless Bluetooth Printer
BB610032	12" (300 mm) Pitot Tube (Air Velocity)
AACKP01	Differential Pressure Kit



Education



Hospitals

