

PORTABLE INDOOR AIR QUALITY MONITORS

AQ SERIES

DESCRIPTION

The **E Instruments AQ Comfort** indoor air quality monitor is the latest and most innovative all-in-one instrument for basic IAQ analysis. The **AQ Comfort** can be configured for up to 4 different parameters alone or all together including CO₂, CO, temperature, and %RH. The **AQ VOC** monitor provides air quality testing professionals the flexibility of testing a wide range of VOC's in one handheld unit.

NEW!



FEATURES

- Real-time continuous data-logging
- Large internal memory
- Li-ion rechargeable battery
- Easy to use menu system
- Active internal sampling pump



AQ Comfort



AQ VOC

SPECIFICATIONS

AQ COMFORT

Sensor

CO ₂	NDIR
CO	Electrochemical
Relative Humidity	TFC
Ambient Temperature	Pt100
Differential Pressure	Bridge
Temperature (Type K T1)	Tc K

Range

CO ₂	0-5,000 ppm
CO	0-200 ppm
Relative Humidity	5-95%
Ambient Temperature	-40° to 257°F (-40° to 125°C)
Differential Pressure	±40.0 inH ₂ O (±100.0 mbar)
Temperature (Type K T1)	0° to 2000°F (0° to 1100°C)

Resolution

CO ₂	1 ppm
CO	0.1 ppm
Relative Humidity	0.1%
Ambient Temperature	0.1°C/°F
Differential Pressure	0.1 inH ₂ O (0.25 mbar)
Temperature (Type K T1)	1°C/°F

Accuracy

CO ₂	±2% rdg. ±10 ppm
CO	±1 ppm rdg. ±0.2 ppm
Relative Humidity	±2% RH
Ambient Temperature	±0.4°C (0° to 60°C)
Differential Pressure	±1% rdg.
Temperature (Type K T1)	5°F (3°C) or 2% of rdg.

Electromagnetic Compatibility

EN-61326-1, portable equipment

AQ VOC

Sensor

Low Range	PID
High Range	PID
Relative Humidity	TFC
Ambient Temperature	Pt100
Barometric Pressure	Solid State
Differential Pressure	Bridge
Air Velocity	Calculated

Range

Low Range	0-20 ppm
High Range	0-200 ppm
Relative Humidity	5-95%
Ambient Temperature	-40° to 257°F (-40° to 125°C)
Barometric Pressure	260-1260 mbar
Differential Pressure	± 8.0 in H ₂ O
Air Velocity	0-300 ft/sec

Resolution

Low Range	1ppb
High Range	1 ppm
Relative Humidity	0.1% RH
Ambient Temperature	0.1°C/°F
Barometric Pressure	1 mbar
Differential Pressure	0.1 inH ₂ O
Air Velocity	1 ft/sec

Accuracy

Low Range	10% rdg. ±20 ppb
High Range	10% rdg. ±50 ppb
Relative Humidity	±2% RH
Ambient Temperature	±4°F
Barometric Pressure	±2 mbar
Differential Pressure	±1% rdg.

TOOLS & TEST EQUIPMENT

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AQ SERIES

199.9

ORDERING INFORMATION

MODEL	DESCRIPTION
AQ Comfort-1	Indoor air quality tester for CO2 monitoring, PC software and Bluetooth are ordered separately
AQ Comfort-2	Indoor air quality tester for CO2 and ambient temp monitoring, PC software and Bluetooth are ordered separately
AQ Comfort-3	Indoor air quality tester for CO2 and ambient temp, %RH, barometric pressure, wet bulb, dew point monitoring with Bluetooth and carry case included, PC software ordered separately
AQ Comfort-4	Indoor air quality tester for CO2 and ambient temp, %RH, barometric pressure, wet bulb, dew point and CO monitoring with Bluetooth, carry case and PC software included
AQ Gas	AQ Comfort accessory real-time gas data logging software with USB and wireless Bluetooth
YAACSM03A	AQ Comfort accessory supportive magnetic rubber boot
AQ VOC-1	Indoor air quality monitor for TVOC includes ambient temp, %RH, barometric pressure, web bulb, dew point
AQ VOC-1-F	Indoor air quality monitor for TVOC includes ambient temp, %RH, barometric pressure, web bulb, dew point and formaldehyde
AQ VOC-1-C2-C	Indoor air quality monitor for TVOC includes ambient temp, %RH, barometric pressure, web bulb, dew point, CO and CO2

ACCESSORIES

PRO8140	Vinyl carrying case for AQ Comfort and AQ VOC models
AACKP01	Differential pressure hose kit (all models)
E85AACSF13	12" (300 mm) probe and temp for gas sampling
EE900P	Wireless Bluetooth printer
BB610032	12" (300 mm) pitot tube for air velocity
AQ CAL-MET	Moisture exchange tube for VOC field calibration