



Built With Quality In Mind

IAQ Product Catalog



www.E-Inst.com

P: (215) 750-1212

F: (215) 750-1399

A: 402 Middletown Blvd, Suite 216

Langhorne, PA 19047

AQ Comfort



Handheld Indoor Air Quality Monitor

The Latest in Indoor Air Quality Monitoring & Real-Time Data-Logging
for IAQ Analysis in Homes, Schools, Offices, and much more

- Innovative IAQ Tool for HVAC Professionals
- Provide your own *Comfort Audit*™
- REAL-TIME Continuous Data-Logging
- Active Internal Sampling Pump
- Compact Handheld Unit
- Easy to Use Menu System
- Large Internal Memory
- Li-Ion Rechargeable Battery

Accessories:

- PC Software & USB Cable
- Protective Magnetic Rubber Boot
- Wireless Printer
- Handheld Probe



“Built with Quality in Mind”



Real-time Data Logging for
Graphs, Data Review, IAQ Reports



Wireless Communications with
Computer & Remote Printer



Light Weight, Durable,
Handheld Design

CO₂

% RH

Dew Point

Wet Bulb

Temp.

Differential
Temp.

Differential
Pressure

Add Safety-

CO

E Instruments International

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AQ Comfort



Specifications

Parameter	Sensor	Range	Res.	Accuracy
CO ₂	NDIR	0 - 5,000 ppm	1 ppm	± 2% rdg. ± 10 ppm
CO	Electrochemical	0 - 200 ppm	0.1 ppm	± 1 ppm rdg. ± 0.2 ppm
Relative Humidity	TFC	5 - 95%	0.1%	± 2% RH
Ambient Temperature	Pt100	-40 - 257°F (-40 - 125°C)	0.1°C/F	± 0.4°C (0 - 60°C)
Differential Pressure	Bridge	± 40.0 inH ₂ O (±100.0 mbar)	0.1 inH ₂ O (0.25 mbar)	±1% rdg.
Temperature Type K T1	Tc K	0 - 2000°F (0 - 1100°C)	1°C/F	5°F (3°C) or 2% of rdg
Electromagnetic Compatibility		EN 61326-1, Portable Equipment		

Applications



Features

ALL AQ Comfort Kits Include:

- Continuous Active Internal Sampling Pump
- Differential Pressure
- Differential Temperature
- Operating Manual
- Li-Ion Battery & AC Charger
- Factory Calibration Certificate

AQ Comfort ORDERING CODE

AQ Comfort Kit	Kit-1	Kit-2	Kit-3	Kit-4
CO ₂	■	■	■	■
CO				■
Ambient Temp		■	■	■
%RH, Wet Bulb & Dew Point			■	■
Bluetooth			■	■
Internal Memory			■	■
PC Software Kit				■
Carrying Case			■	■

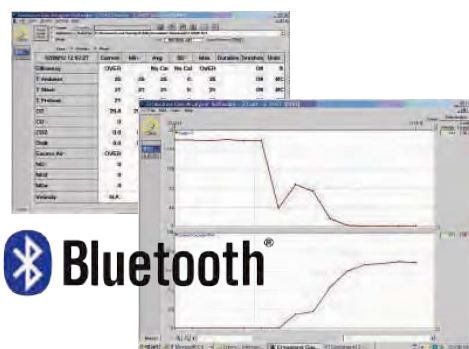
Temp

CO

ΔP

% RH

CO₂



Bluetooth®

(Optional) AQ Gas® Real-time Datalogging Software

Distributed By:



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AQ PRO NEW!



Handheld Indoor Air Quality Monitor

The Latest in Indoor Air Quality Monitoring & Real-Time Data-Logging for IAQ Analysis in Hospitals, Schools, Labs, Airports, and much more

- Multiple Parameters - Up to 6 Total (Customize UP to 3 Gases)
- REAL-TIME Continuous Data-Logging
- Active Internal Sampling Pump
- Compact Handheld Unit
- PC Software & USB Included
- Large Internal Memory (2000)
- Li-Ion Rechargeable Battery
- Barometric Air Pressure
- Protective Magnetic Rubber Boot
- Optional Wireless Printer
- Optional Handheld Probe
- MADE IN USA 



 Bluetooth®

% RH

Temp

Barometric Pressure

CO₂

CO

Formaldehyde

NO₂

SO₂

H₂S

O₂

NO

“Built with Quality in Mind”



 Real-Time Data Logging for Graphs, Data Review, IAQ reports

 Wireless Communications with Computer & Remote Printer

 Light Weight, Durable, Handheld Design

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Specifications

Parameter	Sensor	Range	Res.	Accuracy
Relative Humidity	TFC	5 - 95% RH	0.1% RH	± 2% RH
Ambient Temp.	Pt100	-40 - 257°F (-40 - 125°C)	0.1°C/F	± 0.4°C (0 - 60°C)
Barometric Pressure	Solid State	260 - 1260 mbar	1 mbar	± 2 mbar
Differential Pressure	Bridge	± 40.0 inH ₂ O (±100.0 mbar)	0.1 inH ₂ O (0.25 mbar)	±1% rdg.
Temperature Type K T1	Tc K	0 - 2000°F (0 - 1100°C)	1°C/F	5°F (3°C) or 2% of rdg
Electromagnetic Compatibility		EN 61326-1, Portable Equipment		

AQ PRO ORDERING CODE

Part #: PRO - ____ - ____ - ____

Example: Part #: PRO - C2 - C - H = CO₂, CO, & H₂S

ALL AQ PRO Kits Include:

Temperature, % Relative Humidity
Barometric Pressure
PC Software & USB Cable
REAL-TIME Continuous Datalogging
Bluetooth Connectivity
Protective Carrying Case
Continuous Active Internal Sampling Pump
Differential Pressure
Operating Manual & Quick Reference Guide
Li-Ion Battery & AC Charger
Factory Calibration Certificate

Select UP to ANY 3 Gases Below:

Parameter	Sensor	Range	Res.	Accuracy
C2 - Carbon Dioxide (CO ₂)*	NDIR	0 - 5,000 ppm	1 ppm	± 2% rdg. ± 10 ppm
C - Carbon Monoxide (CO)*	EC**	0 - 200 ppm	0.1 ppm	± 1 ppm rdg. ± 0.2 ppm
F - Formaldehyde (CH ₂ O)***	EC**	0 - 10 ppm (0 - 10,000 ppb)	1 ppb	2% ± 30 ppb
H - Hydrogen Sulfide (H ₂ S)*	EC**	0 - 100 ppm	1 ppm	± 4% of rdg. ± 0.5 ppm
N - Nitrogen Dioxide (NO ₂)*	EC**	0 - 20 ppm	0.1 ppm	± 0.5 ppm of rdg.
O - Oxygen (O ₂)	EC**	0 - 25%	0.1%	± 0.1% vol
S - Sulfur Dioxide (SO ₂)*	EC**	0 - 20 ppm	0.1 ppm	± 0.5 ppm of rdg.
X - Nitric Oxide (NO)*	EC**	0 - 250 ppm	0.1 ppm	± 2 ppm of rdg.

* Other Ranges are Available Upon Request

** Electrochemical

*** Accuracy Based on Laboratory Conditions

Optional Accessories



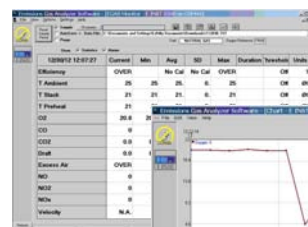
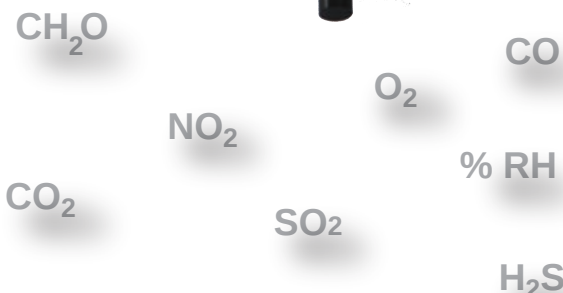
Wireless Bluetooth™
Printer
(EE900P)



Sampling Probe
(E85AACS13)



Pitot Tube
for Air Velocity
(BB610032)



AQ Gas® Real-time
Datalogging Software

Distributed By:



AQ VOC NEW!



Portable Handheld VOC Monitor

Accurate VOC Monitoring & Real-Time Data-Logging for Air Quality Analysis in Industrial Safety, Environmental, Laboratories and other IAQ Applications

Dynamic PID VOC Sensor Technology

- 0 - 20,000 PPB

- 0 - 200 PPM

VOC in ppb/ppm or $\mu\text{g}/\text{m}^3/\text{mg}/\text{m}^3$

UPGRADEABLE:

(Add UP TO 2 More Gas Sensors)

REAL-TIME Continuous Data-Logging

Active Internal Sampling Pump

Large Internal Memory (2000)

PC Software & USB Included

Li-Ion Rechargeable Battery

Barometric Air Pressure

Protective Magnetic Rubber Boot

Optional Wireless Printer

Optional Handheld Probe

MADE IN USA



 Bluetooth®

VOC

% RH

Temp

Barometric
Pressure

Formaldehyde

CO₂

O₂

CO

NO₂

H₂S

SO₂

NO

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Graphs, Data Review, IAQ reports

Wireless Communications with
Computer & Remote Printer

Light Weight, Durable,
Handheld Design

E Instruments International

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AQ VOC



Specifications

Parameter	Sensor	Range	Res.	Accuracy
Low Range VOC OR High Range VOC	PID	0 - 20 ppm (0 - 46 µg/m³)	1 ppb (2.3 µg/m³)	10 % rdg. ± 20 ppb
	PID	0 - 200 ppm (0 - 460 mg/m³)	10 ppb (23 µg/m³)	10 % rdg. ± 50 ppb
Relative Humidity	TFC	5 - 95% RH	0.1% RH	± 2% RH
Ambient Temp.	Pt100	-40 - 257°F (-40 - 125°C)	0.1°C/F	± 0.4°C (0 - 60°C)
Barometric Pressure	Solid State	260 - 1260 mbar	1 mbar	± 2 mbar
Electromagnetic Compatibility		EN 61326-1, Portable Equipment		

AQ VOC ORDERING CODE

Part #: VOC- ____ - ____ - ____

Example: Part #: VOC - 1 - F - C2 = Low Range VOC, CH₂O, CO₂

ALL AQ VOC Kits Include:

- Temperature, % Relative Humidity
- Barometric Pressure
- PC Software & USB Cable
- REAL-TIME** Continuous Datalogging
- Bluetooth Connectivity
- Protective Carrying Case
- Continuous Active Internal Sampling Pump
- Operating Manual & Quick Reference Guide
- Li-Ion Battery & AC Charger
- Factory Calibration Certificate

Select Your VOC Range:

Parameter	Sensor	Range
V1 - Low Range VOC	PID	0 - 20 ppm (0 - 46 g/µm³)
V2 - High Range VOC	PID	0 - 200 ppm (0 - 460 mg/m³)

Optional Gas Sensor Upgrades (Choose UP To ANY 2)

C2 - Carbon Dioxide (CO₂)*	NDIR	0 - 5,000 ppm	1 ppm	± 2% rdg. ± 10 ppm
C - Carbon Monoxide (CO)*	EC**	0 - 200 ppm	0.1 ppm	± 1 ppm rdg. ± 0.2 ppm
F - Formaldehyde (CH₂O)***	EC**	0 - 10 ppm	1 ppb	2% ± 30 ppb
H - Hydrogen Sulfide (H₂S)*	EC**	0 - 100 ppm	1 ppm	± 4% of rdg. ± 0.5 ppm
N - Nitrogen Dioxide (NO₂)*	EC**	0 - 20 ppm	0.1 ppm	± 0.5 ppm of rdg.
O - Oxygen (O₂)	EC**	0 - 25%	0.1%	± 0.1% vol
S - Sulfur Dioxide (SO₂)*	EC**	0 - 20 ppm	0.1 ppm	± 0.5 ppm of rdg.
X - Nitric Oxide (NO)*	EC**	0 - 250 ppm	0.1 ppm	± 2 ppm of rdg.

* Other Ranges are Available Upon Request

** Electrochemical

*** Accuracy Based on Laboratory Conditions

Optional Accessories



Wireless Bluetooth™
Printer
(EE900P)



Sampling Probe
(E85AACSF13)



VOC

CO

O₂

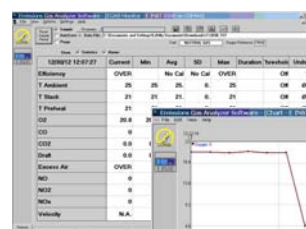
NO₂

% RH

SO₂

H₂S

CH₂O



AQ Gas® Real-Time
Datalogging Software

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AQ EXPERT



Portable Indoor Air Quality Monitor

Providing the latest in Monitoring & Data Logging for IAQ testing in Buildings, Hospitals, Schools, Labs, Clean Rooms, Airports, & more

- Multiple Parameters - Up to 11
(Customize UP to 7 Gases)
- REAL-TIME Continuous Data-Logging
- PC Software & USB Included
- Large Internal Memory (2000)
- Li-Ion Rechargeable Battery
- Easy to Use Menu System
- Optional Wireless Printer
- Portable w/ Swivel Handle
- Barometric Air Pressure
- Dual Temp TcK Inputs
- Optional Handheld Probe
- Active Internal Sampling Pump
- MADE IN USA 



% RH

Temp

Barometric
Pressure

CO₂

CO

VOC

Formaldehyde

NO₂

NO

O₃

O₂

H₂S

SO₂

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Real-Time Data Logging for
Graphs, Data Review, IAQ reports

Wireless Communications with
Computer & Remote Printer

Light Weight, Durable, and
Easy to Transport Design

E Instruments International

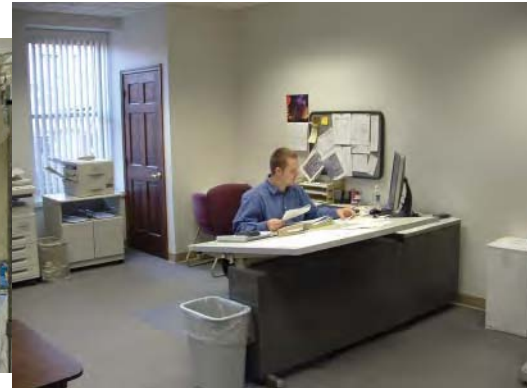
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AQ EXPERT



Applications



CO₂, CO, % RH, Temp, VOC, O₂, NO, NO₂, O₃, CH₂O, SO₂, H₂S, Barometric Pressure

Features

Custom to Your Application

Up to 7 different toxic gases to meet the need of most air quality analysis

REAL-TIME Data Logging

Save and graph using USB or wireless Bluetooth to a PC

VOC

CO₂



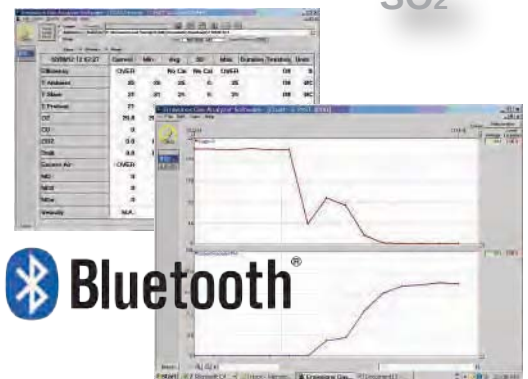
NO₂

O₃

NO

CH₂O

SO₂



Bluetooth®

AQ Gas® Real-time Datalogging Software

Easy Calibration

Built-in menu driven calibration procedure

Made in USA

Designed and manufactured in the USA



O₂

H₂S

% RH

CO

E Instruments International

www.E-Inst.com

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Specifications

Parameter	Sensor	Range	Res.	Accuracy
CO ₂	NDIR	0 - 5,000 ppm	1 ppm	±2% rdg. ±10 ppm
CO ₂	NDIR	0 - 20%	0.1%	±3% rdg.
*CO	Electrochemical	0 - 200 ppm	0.1 ppm	±1 ppm rdg. ±0.2 ppm
% RH	Thin Film Capacitive	5 - 95% RH	0.1% RH	±2% RH
Ambient Temperature	Pt100	-40 - 257°F (-40 - 125°C)	0.1°C/F	± 2°F (32-140°F) (± 0.4°C [0-60°C])
VOCs	PID	0 - 20 ppm (0 - 46 mg/m ³)	1 ppb (2.3 µg/m ³)	10 % rdg. ± 20 ppb
VOCs	PID	0 - 200 ppm (0 - 460 mg/m ³)	10 ppb (23 µg/m ³)	10 % rdg. ± 50 ppb
O ₂	Electrochemical	0 - 25%	0.1%	±0.1% vol
Ozone (O ₃)	Electrochemical	0 - 5 ppm	1 ppb	
*H ₂ S	Electrochemical	0 - 100 ppm	1 ppm	± 4% of rdg. ± 0.5% ppm
**CH ₂ O	Electrochemical	0 - 10 ppm (0 - 10,000 ppb)	1 ppb	2% rdg. ± 30 ppb
*NO	Electrochemical	0 - 250 ppm	0.1 ppm	±2 ppm of rdg.
*NO ₂	Electrochemical	0 - 20 ppm	0.1 ppm	±0.5 ppm of rdg.
*SO ₂	Electrochemical	0 - 20 ppm	0.1 ppm	±0.5 ppm of rdg.
Barometric Pressure	Solid State	260 - 1260 mbar	1 mbar	±2 mbar
Differential Pressure	Bridge	±40.0 inH ₂ O (±100 mbar)	0.1 inH ₂ O (0.25 mbar)	±1% rdg.
Temperature Type K T1 & T2	Tc K	0 - 2000°F (0 - 1100°C)	1°C/F	5°F (3°C) or 2% of rdg.
Air Velocity	Calculated	0 - 300 ft/sec	1 ft/sec	
Electromagnetic compatibility		EN 61326-1, Portable Equipment		

* Other Ranges are Available Upon Request

** Accuracy Based on Laboratory Conditions

Accessories



Wireless Bluetooth Printer



Sampling Probe



Air Velocity w/ Pitot Tube



Carrying Case

AQ EXPERT ORDERING CODE

Part Number: **EXPERT-**____-____-____-____

(Example: **EXPERT-1-C-V1** = CO₂ (0-5000 ppm), Temp, % RH, Barometric Pressure, CO (0-200 ppm), VOC (0-20 ppm))

AQ EXPERT Base Unit Including:

- CO₂, Temp, % RH (choice of one (1) of the CO₂ sensor ranges below)
- Barometric Pressure, Wet Bulb & Dew Point
- Continuous Internal Sampling Pump
- REAL-TIME data logging
- PC Software (with USB Cable)
- Internal Bluetooth & External Dongle
- Dual-channel Tck (Diff. Temp)
- Differential Pressure
- Differential Temperature
- Operating Manual
- Swivel Handle for Easy Transport
- Li-Ion Battery & AC Charger
- Factory Calibration Certificate



ADD UP TO 6 (SIX) ADDITIONAL SENSORS FROM THE LIST BELOW:

PART NUMBER	DESCRIPTION
Expert-1	AQ Expert Base Unit w/ CO ₂ Range: 0-5,000 ppm
Expert-2	AQ Expert Base Unit w/ CO ₂ Range: 0-20% ppm
*-C	CO Sensor (0-200 ppm)
-V1	VOC Sensor (0-20 ppm) (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 ppm) (0-10,000 ppb)
* Other Ranges are Available Upon Request	
** Note: All 3 O ₃ , NO ₂ , & SO ₂ Sensors Cannot Concurrently be Installed on one Instrument	



OPTIONAL ACCESSORIES:

PART NUMBER	DESCRIPTION
E858140	Protective Carrying Case
E85AACSF13	12" 300mm Probe, 10' 3m Dual Hose
EE900P	Bluetooth Wireless Printer
BB610032	12" 300mm Pitot Tube (Air Velocity)
AACKP01	Differential Pressure Kit





Built With Quality In Mind

E Instruments International is a designer, manufacturer, & provider of a complete range of innovative instrumentation solutions including Indoor Air Quality Monitors, portable combustion gas analyzers, and gas leak detectors, which we export to over 50 countries worldwide.



**For more information about our products please call:
(215) 750-1212 or visit our website at:
[www. E-Inst.com](http://www.E-Inst.com)**