

# 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

Long Lasting Rechargeable Battery

Barometric Air Pressure

Protective Magnetic Rubber Boot

Optional Wireless Printer

Optional Handheld Probe

MADE IN USA 



VOC

% RH

Temp

Barometric Pressure

Formaldehyde

CO<sub>2</sub>

O<sub>2</sub>

CO

NO<sub>2</sub>

H<sub>2</sub>S

SO<sub>2</sub>

NO

“Built with Quality in Mind”

Real-time Data-Logging Software for Graphs, Data Review, IAQ reports

Wireless Communications with Computer & Remote Printer

Light Weight, Durable, Handheld Design



E Instruments International

[www.E-Inst.com](http://www.E-Inst.com)

P: 215-750-1212 F: 215-750-1399 A: 402 Middletown Blvd, Ste 216 Langhorne, PA 19047

# AQ VOC



## Specifications

Parameter	Sensor	Range	Res.	Accuracy
<b>Low Range VOC</b>	PID	0 - 20,000 ppb (0 - 46,000 µg/m <sup>3</sup> )	1 ppb (2.3 µg/m <sup>3</sup> )	10% rdg. ± 20 ppb
<b>OR</b>				
<b>High Range VOC</b>	PID	0 - 200 ppm (0 - 460 mg/m <sup>3</sup> )	1 ppm (2.3 mg/m <sup>3</sup> )	10% rdg. ± 50 ppb
<b>Relative Humidity</b>	TFC	5 - 95% RH	0.1% RH	± 2% RH
<b>Ambient Temp.</b>	Pt100	-40 - 257°F (-40 - 125°C)	0.1°C/F	± 0.4°C (0 - 60°C)
<b>Barometric Pressure</b>	Solid State	260 - 1260 mbar	1 mbar	± 2 mbar
<b>Differential Pressure</b>	Bridge	± 8.0 in H <sub>2</sub> O (± 20 mbar)	0.1 inH <sub>2</sub> O (0.25 mbar)	± 1% rdg.
<b>Air Velocity</b>	Calculated	0 - 300 ft/sec	1 ft/sec	
<b>Electromagnetic Compatibility</b>		EN 61326-1, Portable Equipment		



VOC

CO

O<sub>2</sub>

NO<sub>2</sub>

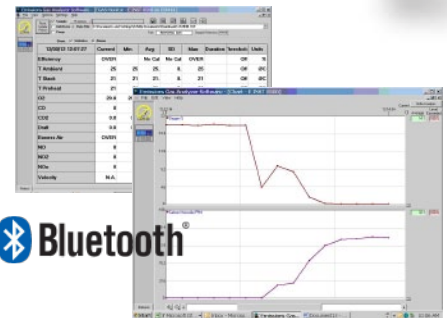
% RH

CO<sub>2</sub>

SO<sub>2</sub>

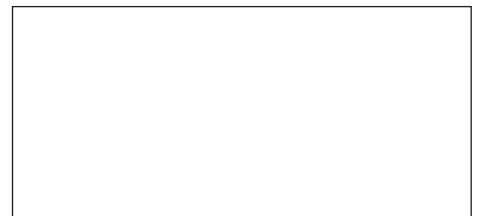
H<sub>2</sub>S

CH<sub>2</sub>O



AQ Gas<sup>®</sup> Real-Time Datalogging Software

Distributed By:



## AQ VOC ORDERING CODE

Part #: VOC- \_\_\_ - \_\_\_ - \_\_\_

Example: Part #: VOC - 1 - F - C2 = Low Range VOC, CH<sub>2</sub>O, CO<sub>2</sub>

### ALL AQ VOC Kits Include:

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

### Select Your VOC Range:

Parameter	Sensor	Range
<b>V1 - Low Range VOC</b>	PID	0 - 20,000 ppb (0 - 46,000 µg/m <sup>3</sup> )
<b>V2 - High Range VOC</b>	PID	0 - 200 ppm (0 - 460 mg/m <sup>3</sup> )

### Optional Gas Sensor Upgrades (Choose UP TO ANY 2)

<b>C2 - Carbon Dioxide (CO<sub>2</sub>)<sup>1</sup></b>	NDIR	0 - 5,000 ppm	1 ppm	± 2% rdg. ± 10 ppm
<b>C - Carbon Monoxide (CO)<sup>1</sup></b>	EC <sup>2</sup>	0 - 200 ppm	0.1 ppm	± 1 ppm rdg. ± 0.2 ppm
<b>F - Formaldehyde (CH<sub>2</sub>O)<sup>3,4</sup></b>	EC <sup>2</sup>	0 - 10,000 ppb	1 ppb	2% ± 30 ppb
<b>H - Hydrogen Sulfide (H<sub>2</sub>S)<sup>1</sup></b>	EC <sup>2</sup>	0 - 100 ppm	1 ppm	± 4% of rdg. ± 0.5 ppm
<b>N - Nitrogen Dioxide (NO<sub>2</sub>)<sup>1</sup></b>	EC <sup>2</sup>	0 - 20 ppm	0.1 ppm	± 0.5 ppm of rdg.
<b>O - Oxygen (O<sub>2</sub>)</b>	EC <sup>2</sup>	0 - 25%	0.1%	± 0.1% vol
<b>S - Sulfur Dioxide (SO<sub>2</sub>)<sup>1</sup></b>	EC <sup>2</sup>	0 - 20 ppm	0.1 ppm	± 0.5 ppm of rdg.
<b>X - Nitric Oxide (NO)<sup>1</sup></b>	EC <sup>2</sup>	0 - 250 ppm	0.1 ppm	± 2 ppm of rdg.

1. Other Ranges are Available Upon Request

2. Electrochemical

3. Accuracy Based on Laboratory Conditions

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

## Optional Accessories



Wireless Bluetooth™ Printer (EE900P)



Sampling Probe (E85AACSF13)



Moisture Exchange Tube for Calibration (AQMET)



Ambient Air Zero Filter (AQ CAL-ZF)



Pitot Tube for Air Velocity (BB610032)



E Instruments International

www.E-Inst.com

P: 215-750-1212 F: 215-750-1399 A: 402 Middletown Blvd, Ste 216 Langhorne, PA 19047