E INSTRUMENTS by sauermann

MADE IN USA

# AQ VOC

## Handheld TVOCs Monitor for Air Quality Analysis in Industrial Safety, Environmental, Laboratories and More

### Accurate / Reliable / Robust / Fast

- Dynamic PID TVOC Sensor: 0 - 20,000 PPB or 0 - 200 PPM
- Temp., %RH, & Barometric Pressure Included
- Real-Time Data Logging
- Active Internal Sampling Pump
- Large Internal Memory (2000)
- Protective Magnetic Rubber Boot
- Optional Wireless Printer
- Optional Handheld Probe

Bluetooth®

**Select Up to 3 Gases in Total: TVOCs, $CO_2$, CO, Formaldehyde, $NO_2$, NO, $O_2$, $SO_2$, $H_2S$**

**Long Lasting Rechargeable Battery & AC Charger**

**Light Weight & Durable**

**PC Software & USB Cable**

**E Instruments International**
www.e-inst.com

P: 1+215-750-1212 - F: 1+215-750-1399
402 Middletown Blvd, Ste 216 Langhorne, PA, USA, 19047

| Parameter | Sensor | Range | Resolution | Accuracy |
|---|---|---|---|---|
| Low Range VOC | PID | 0 - 20,000 ppb<br>0 - 46,000 µg/m³ | 1 ppb<br>1 µg/m³ | ±10 % rdg ±20 ppb |
| OR | | | | |
| High Range VOC | PID | 0 - 200 ppm<br>0 - 460 mg/m³ | 1 ppm<br>1 mg/m³ | ±10 % rdg ±2 ppm |
| Relative Humidity | TFC | 5 - 95 % | 0.1 % | ±2 % RH |
| Ambient Temperature | Pt100 | -40 to 257 °F<br>-40 to 125 °C | 0.1 °F<br>0.1 °C | ±0.4 °F (32 - 140 °F)<br>±0.4 °C (0 - 60 °C) |
| Barometric Pressure | Solid state | 260 1260 mbar | 1 mbar | ±2 mbar |
| Differential Pressure | Bridge | ±8.0 in$H_2O$<br>±20.0 mbar | 0.1 in$H_2O$<br>0.25 mbar | ±1 % rdg |
| Air Velocity | Calculated | 0 - 300 ft/sec | 1 ft/sec | - |
| Electromagnetic Compatibility | EN 61326-1, Portable Equipment | | | |

### All AQ VOC Kits Include:

- Temperature, %RH, Wet Bulb, Dew Point
- Barometric Pressure
- PC Software & USB Cable
- Real-Time Continuous Data Logging
- Bluetooth Connectivity
- Protective Carrying Case
- Continuous Active Internal Sampling Pump
- Long Lasting Battery & AC Charger
- Factory Calibration Certificate
- Operating Manual & Quick Reference Guide

## AQ VOC Ordering Code

## Example: Part #: VOC - 1 - F - C2 = Low Range VOC, $CH_2O$ & $CO_2$

| | Parameter | Sensor | Range | Res. | Accuracy |
|---|---|---|---|---|---|
| Select Your VOC Range | V1 - Low Range VOC | PID | 0 - 20,000 ppb<br>0 - 46,000 µg/m³ | | |
| | V2 - High Range VOC | PID | 0 - 200 ppm<br>0 - 460 mg/m³ | | |
| Optional Gas Sensor Upgrades (Choose Up to Any 2) | **C2** - Carbon Dioxide ($CO_2$)[1] | NDIR | 0 - 5,000 ppm | 1 ppm | ±2 % rdg ±10 ppm |
| | **C** - Carbon Monoxide (CO)[1] | EC [2] | 0 - 200 | 0.1 ppm | ±4 % rdg ±0.5 ppm |
| | **F** - Formaldehyde ($CH_2O$)[3,4] | EC [2] | 0 - 10,000 ppb | 1 ppb | ±5 % rdg ±50 ppb |
| | **H** - Hydrogen Sulfide ($H_2S$)[1] | EC [2] | 0 - 100 ppm | 1 ppm | ±4 % rdg ±0.5 ppm |
| | **N** - Nitrogen Dioxide ($NO_2$)[1] | EC [2] | 0 - 20 ppm | 0.1 ppm | ±4 % rdg ±0.5 ppm |
| | **O** - Oxygen ($O_2$) | EC [2] | 0 - 25 % | 0.1 % | ±0.1 % vol rdg |
| | **S** - Sulfur Dioxide ($SO_2$)[1] | EC [2] | 0 - 20 ppm | 0.1 ppm | ±4 % rdg ±0.5 ppm |
| | **X** - Nitric Oxide (NO)[1] | EC [2] | 0 - 250 ppm | 0.1 ppm | ±4 % rdg ±0.5 ppm |

[1] Other ranges are available upon request [2] Electrochemical [3] Accuracy based on laboratory conditions

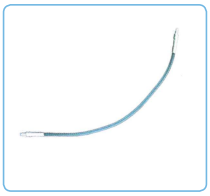
[4] This sensor may have interference from $H_2$, CO, $H_2S$ and other reducing gases such as alcohols

### Optional Accessories

Sampling Probe
(E85AACSF13)

Zero Filter for Calibration
(AQ CAL-ZF)

Wireless Bluetooth Printer
(EE900P)



Moisture Exchange Tube
for Calibration
(AQMET)

CE

**E Instruments International**
www.e-inst.com

P: 1+215-750-1212 - F: 1+215-750-1399
402 Middletown Blvd, Ste 216 Langhorne, PA, USA, 19047