DATA SHEET

SI-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 (2,000 Tests)
- 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

Si-AQ PCSoft PC Software & USB Cable

Parameter	Sensor	Range	Resolution	Accuracy
Low Range VOC	PID	0 - 20,000 ppb 0 - 46,000 µg/m³	1 ppb 1 µg/m³	±10 % rdg ±20 ppb
OR High Range VOC	PID	0 - 200 ppm 0 - 460 mg/m³	1 ppm 1 mg/m³	±10 % rdg ±2 ppm
Relative Humidity	Capacitive	5 - 95 %	0.1 %	±2 % RH
Ambient Temperature	Pt100	-40 to 257 °F -40 to 125 °C	0.1 °F 0.1 °C	±0.4 °F (32 - 140 °F) ±0.4 °C (0 - 60 °C)
Barometric Pressure	Piezoresis-tive	260 to 1,260 mbar	1 mbar	±2 mbar
Differential Pressure*	Piezoresis-tive	-40 inH_2O to 40 inH_2O -100 mbar to 100 mbar	0.1 inH_2O 0.1 mbar	±1 % rdg
Temperature Type K T1	Tc K	0 - 2,000 °F 0 - 1,100 °C	1 °F 1 °C	5 °F / 3 °C or 2 % rdg
Air Velocity	Calculated	0 - 300 ft/sec 0 - 91 m/s	1 ft/sec 1 m/s	-
Electromagnetic Com-patibility	EN 61326-1, Portable Equipment			

All Si-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
- Quick Start Guide

Si-AQ VOC Ordering Code

Example: Part #: VOC - Si-AQ VOC Cell (20,000 ppb) - Si-AQ CH_2O Cell (0 - 10 ppm) - Si-AQ CO_2 Sensor (5000 ppm) = Low Range VOC, CH_2O & CO_2

	Parameter	Sensor	Range	Resolution	Accuracy
Select Your VOC Range	**Si-AQ VOC Cell (20,000 ppb)** Low Range VOC	PID	0 - 20,000 ppb 0 - 46,000 µg/m³		
	Si-AQ VOC Cell (200 ppm) High Range VOC	PID	0 - 200 ppm 0 - 460 mg/m³		
Optional Gas Sensor Upgrades (Choose Up to Any 2)	**Si-AQ CO_2 Sensor (5000 ppm)** Carbon Dioxide (CO_2)[1]	NDIR	0 - 5,000 ppm	1 ppm	±2 % rdg ±10 ppm
	Si-AQ CO Cell (0 - 200 ppm) Carbon Monoxide (CO)[1]	EC[2]	0 - 200 ppm	0.1 ppm	±4 % rdg ±0.5 ppm
	Si-AQ CH_2O Cell (0 - 10 ppm) Formaldehyde (CH_2O)[3,4]	EC[2]	0 - 10,000 ppb	1 ppb	±5 % rdg ±50 ppb
	Si-AQ H_2S Cell (0 - 100 ppm) Hydrogen Sulfide (H_2S)[1]	EC[2]	0 - 100 ppm	1 ppm	±4 % rdg ±0.5 ppm
	Si-AQ NO_2 Cell (0 - 20 ppm) Nitrogen Dioxide (NO_2)[1]	EC[2]	0 - 20 ppm	0.1 ppm	±4 % rdg ±0.5 ppm
	Si-AQ O_2 Cell (0 - 25 %) Oxygen (O_2)	EC[2]	0 - 25 %	0.1 %	±0.1 % vol rdg
	Si-AQ SO_2 Cell (0 - 20 ppm) Sulfur Dioxide (SO_2)[1]	EC[2]	0 - 20 ppm	0.1 ppm	±4 % rdg ±0.5 ppm
	Si-AQ NO Cell (0 - 250 ppm) 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

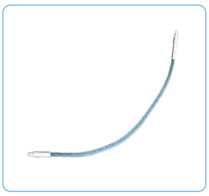
* Requires connection accessories, flexible tubes and connections available as option in the Si-AQ Kit Press. Diff.

Optional Accessories

Sampling Probe
(Si-AQ Probe with Hose)

Zero Filter for Calibration
(Si-AQ VOC Zero Filter)

Bluetooth® Printer
(Si-AQ Bluetooth® Printer)



Moisture Exchange
Tube for Calibration
(Si-AQ Moisture Exchange)

FTang – Si-AQ VOC – 25/08/2020 – Non-contractual document – We reserve the right to modify the characteristics of our products without prior notice.

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Acez
We care we provide

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