

DATA SHEET

# SI-AQ PRO

**The Latest in Handheld IAQ Monitoring  
& Real Time Data Logging for Complete  
Air Quality Analysis**



## Accurate / Reliable / Robust / Fast

- Up to 3 Gases
- 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



Select Up To 3 Gases:  
CO<sub>2</sub>, CO, NO<sub>2</sub>, NO, O<sub>2</sub>, SO<sub>2</sub>,  
H<sub>2</sub>S, Formaldehyde



Long Lasting Rechargeable  
Battery & AC Charger



Light Weight & Durable



Si-AQ PCSoft PC Software  
& USB Cable

Parameter	Sensor	Range	Resolution	Accuracy
Relative Humidity	TFC	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	Solid State	260 - 1,260 mbar	1 mbar	±2 mbar
Differential Pressure	Bridge	0 - 32.0 inH <sub>2</sub> O 0 - 80.0 mbar	0.1 inH <sub>2</sub> O 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 Compatibility	EN 61326-1, Portable Equipment			

### Si-AQ Pro Ordering Code

**Example Part #: PRO - Si-AQ CO<sub>2</sub> Sensor (0 - 5000 ppm) - Si-AQ CO Cell (0 - 200 ppm) - Si-AQ H<sub>2</sub>S Cell (0 - 200 ppm) = CO<sub>2</sub>, CO, H<sub>2</sub>S**

Parameter	Sensor	Range	Resolution	Accuracy
Si-AQ CO <sub>2</sub> Sensor (0 - 5000 ppm) Carbon Dioxide (CO <sub>2</sub> ) <sup>1</sup>	NDIR	0 - 5,000 ppm	1 ppm	±2 % rdg ±10 ppm
Si-AQ CO Cell (0 - 200 ppm) Carbon Monoxide (CO) <sup>1</sup>	EC <sup>2,5</sup>	0 - 200 ppm	0.1 ppm	±4 % rdg ±0.5 ppm
Si-AQ CH <sub>2</sub> O Cell (0 - 10 ppm) Formaldehyde <sup>3,4</sup>	EC <sup>2,5</sup>	0 - 10 ppm 0 - 10,000 ppb	1 ppb	±5 % rdg ±50 ppb
Si-AQ H <sub>2</sub> S Cell (0 - 100 ppm) Hydrogen Sulfide (H <sub>2</sub> S) <sup>1</sup>	EC <sup>2,5</sup>	0 - 100 ppm	1 ppm	±4 % rdg ±0.5 ppm
Si-AQ NO <sub>2</sub> Cell (0 - 20 ppm) Nitrogen Dioxide (NO <sub>2</sub> ) <sup>1</sup>	EC <sup>2,5</sup>	0 - 20 ppm	0.1 ppm	±4 % rdg ±0.5 ppm
Si-AQ O <sub>2</sub> Cell (0 - 25%) Oxygen (O <sub>2</sub> )	EC <sup>2,5</sup>	0 - 25 %	0.1 %	±0.1 % vol rdg
Si-AQ SO <sub>2</sub> Cell (0 - 20 ppm) Sulfur Dioxide (SO <sub>2</sub> ) <sup>1</sup>	EC <sup>2,5</sup>	0 - 20 ppm	0.1 ppm	±4 % rdg ±0.5 ppm
Si-AQ NO Cell (0 - 250 ppm) Nitric Oxide (NO) <sup>1</sup>	EC <sup>2,5</sup>	0 - 250 ppm	0.1 ppm	±4 % rdg ±0.5 ppm

<sup>1</sup> Other ranges are available upon request

<sup>2</sup> Electrochemical

<sup>3</sup> Accuracy based on laboratory conditions

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

<sup>5</sup> Maximum of TWO (2) Electrochemical (EC) Sensors per unit

#### All Si-AQ Pro Kits include:

- Temperature, %RH, Wet Bult, Dew Point
- Barometric Pressure
- PC Software & USB Cable
- Real-Time Continuous Data Logging
- Bluetooth® Connectivity
- Continuous Active Internal Sampling Pump
- Differential Pressure
- Long Lasting Battery & AC Charger
- Factory Calibration Certificate
- Quick Start Guide

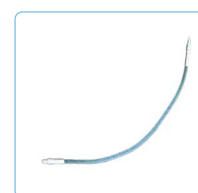
#### Optional Accessories



Bluetooth® Printer  
(Si-AQ Bluetooth® Printer)



Sampling Probe  
(Si-AQ Probe with Hose)



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



Pitot Tube for Air Velocity  
(Si-AQ Pitot Tube)