

# VOC 측정기

## (Portable Handheld VOC Monitor)

### 용 도(Applications)

- 실내 및 작업 환경의 휘발성 유기화합물 농도 측정
- VOC 및 온도, 습도, 기압 측정
- CO<sub>2</sub>, CO, HCHO, H<sub>2</sub>S, NO, NO<sub>2</sub>, O<sub>2</sub>, SO<sub>2</sub> 중 2가지 추가 측정

### 특 징(Features)

- 가볍고 튼튼한 초소형 디자인
- 실시간 측정값 및 그래프 저장 기능
- 대용량 메모리로 장시간 측정값 저장 기능
- 무선프린터와 프로브 선택 가능



Model : SI-AQ VOC

## SPECIFICATIONS

Parameter	Sensor	Range	Resolution	Accuracy
Low Range VOC	PID	0 ~ 20,000ppb (0 ~ 46,000 µg/m <sup>3</sup> )	1 ppb (1 µg/m <sup>3</sup> )	±10 % rdg ±20 ppb
High Range VOC	PID	0 ~ 200 ppm (0 ~ 460 mg/m <sup>3</sup> )	1 ppm (1 mg/m <sup>3</sup> )	±10 % rdg ±2 ppm
Relative Humidity	Capacitive	5 ~ 95%	0.1%	± 2% RH
Ambient Temp.	Pt100	-40 ~ 125°C	0.1°C	± 0.4°C (0 ~ 60°C)
Barometric Pressure	Piezoresistive	260 ~ 1,260 mbar	1 mbar	± 2 mbar
Differential Pressure*	Piezoresistive	-100 mbar to 100 mbar (-40 inH <sub>2</sub> O to 40 inH <sub>2</sub> O)	0.1 mbar (0.1 in H <sub>2</sub> O)	±1% rdg
Air Velocity	Calculated	0 - 91 m/s (0 - 300 ft/sec)	1 m/s (1 ft/sec)	
Electromagnetic Compatibility		EN 61326-1, Portable Equipment		

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

CO <sub>2</sub>	NDIR <sup>1</sup>	0 ~ 5,000 ppm	1 ppm	±2% rdg ±10 ppm
CO	Electrochemical <sup>1</sup>	0 ~ 200 ppm	0.1 ppm	±4% rdg ±0.5 ppm
HCHO(CH <sub>2</sub> O)	Electrochemical <sup>1,2,3</sup>	0 - 10,000 ppb	1 ppb	±5 % rdg ±50 ppb
H <sub>2</sub> S	Electrochemical <sup>1</sup>	0 ~ 100 ppm	1 ppm	±4% rdg ±0.5 ppm
NO <sub>2</sub>	Electrochemical <sup>1</sup>	0 ~ 20 ppm	0.1 ppm	±4% rdg ±0.5 ppm
O <sub>2</sub>	Electrochemical	0 ~ 25%	0.1%	±0.1 % vol rdg
SO <sub>2</sub>	Electrochemical <sup>1</sup>	0 ~ 20 ppm	0.1 ppm	±4% rdg ±0.5 ppm
NO	Electrochemical <sup>1</sup>	0 ~ 250 ppm	0.1 ppm	±4% rdg ±0.5 ppm

1. Other Ranges are Available Upon Request    2. Accuracy Based on Laboratory Conditions

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

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

### \* Accessories



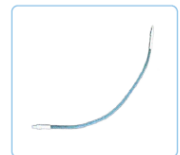
Sampling Probe  
(Si-AQ Probe with Hose)



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



Bluetooth® Printer  
(Si-AQ Bluetooth® Printer)



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