



# Handheld Gas Monitors

Models S200, S300, & S500

**CO, CO<sub>2</sub>, Ammonia, Formaldehyde, Ozone, VOC and over 30 other gases**

The Series 200, 300 and 500 handheld monitors are suitable for indoor, industrial and outdoor air quality monitoring. Compatible with over 30 different interchangeable sensor heads, one monitor can be used to measure multiple gases and concentrations. Interchangeable sensor heads also make servicing the monitors as simple as replacing the old head with a new one. Our entry level monitor is the S200; for a full-featured monitor try the S500.

## Applications

- IAQ Investigations
- Industrial Processing
- Food and Pharmaceutical
- Environmental Monitoring
- Green Building/LEED Certification



## Features & Benefits

- Simultaneous measurements of gas concentration, temperature, and humidity
- The S200 is simple, easy-to-use, low-cost monitor
- The S300 has on-board alarm and analog output
- The S500 has data logging function and RS232C or USB interface for PC communication
- Multi-gas sensor heads are available for IAQ survey applications
- The gas monitor is fully compatible with all gas sensors
- Sensor heads for handheld units are interchangeable without recalibration of main unit
- More than 30 gases including: Ammonia, Carbon monoxide, Carbon Dioxide, Hydrogen, Formaldehyde, Hydrogen sulphide, Methane, Ozone, Nitrogen Dioxide, Perchloroethylene, Sulphur dioxide and VOCs



Sensors are easy to swap in and out without the need for recalibration



Many different sensors available, including multi-gas IAQ survey tools

# Handheld Gas Monitor Specifications



Model	S200	S300	S500
Measurement Units	ppm or mg/m <sup>3</sup>	ppm or mg/m <sup>3</sup>	ppm or mg/m <sup>3</sup>
T/H Sensor	available as option	available as option	available as option
On-board alarm	–	○	○
Remote Sensor	○	○	○
Datalogging	–	–	8,188 measurements
Interface	–	–	RS232C / USB
Analog Output	–	0 to 5 V	0 to 5 V
Power supply	9.6V Battery / 12 VDC	9.6V Battery / 12 VDC	Lithium polymer (lasts 8 hrs) or AC adapter
Dimensions	W7.4" x H4.8" x D2.1"	W7.4" x H4.8" x D2.1"	W7.4" x H4.8" x D2.1"
Weight	1.0 lbs (460 g)	1.0 lbs (460 g)	1.0 lbs (460 g)

## Gas Sensor Head Specifications

Gas Sensor Heads	Range (ppm)	Accuracy	Resolution
Ammonia	0 - 100	+/- 5 ppm	0.1 ppm
Ammonia (leak)	0 - 1000	+/- 15%	1 ppm
Carbon monoxide	0 - 100	+/- 5 ppm	0.1 ppm
Carbon monoxide	0 - 1000	+/- 10%	1 ppm
Carbon dioxide	0 - 2000	+/- 40 ppm + 3%	10 ppm
Carbon dioxide	0 - 5000	+/- 150 ppm + 5%	10 ppm
Formaldehyde	0 - 10	+/- 10%	0.01 ppm
Hydrogen	0 - 5000	+/- 10 %	1 ppm
Hydrogen sulphide	0 - 10	+/- 0.5 ppm	0.01 ppm
Methane	0 - 9999	+/- 15 %	1 ppm
Ozone	0 - 0.150	+/- 0.005 ppm	0.001 ppm
Ozone	0 - 0.500	+/- 0.008 ppm	0.001 ppm
Nitrogen dioxide	0 - 1	+/- 0.001 ppm	0.001 ppm
NMHC 3,4	0 - 25	+/- 10 %	0.1 ppm
Perchloroethylene	0 - 200	+/- 5 ppm	1 ppm
Sulphur dioxide	0 - 10	+/- 0.5 ppm	0.01 ppm
VOC	0 - 25	+/- 10 %	0.1 ppm
VOC	0 - 500	+/- 10 %	1 ppm
Temperature	-40 - 124 °C		
Relative Humidity	0 - 100%RH		



\* Other specific concentrations available on request

Multi-Gas Sensor Heads	Sensor	Range (ppm)	Accuracy	Resolution
MS1	CO2	0-2000	+/- 40 ppm + 3%	1 ppm
	CO	0-100	+/- 10%	0.1 ppm
MS2	CO2	0-2000	+/- 40 ppm + 3%	1 ppm
	CO	0-100	+/- 10%	0.1 ppm
	VOC (PID)	0-25	+/- 10%	0.01 ppm



Distributed by:

Contact:  
 Industrial Process Measurement, Inc.  
 3910 Park Avenue, Unit 7  
 Edison, NJ 08820  
 732-632-6400  
 support@instrumentation2000.com  
<http://www.instrumentation2000.com>