

# Handheld Gas Monitors

CO, CO<sub>2</sub>, Ammonia, Ozone, VOC etc. More than 30 gases



## Features:

- 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 interface to communication PC
- The Remote Sensor Head Adaptor Kit is available  
It is designed to allow the sensor head to be located up to 46 ft (14 m) away from the monitor
- Complete with 1 sensor head\*, AC adapter, rechargeable battery pack, and calibration certificate \*CO<sub>2</sub> head requires additional cost

Gas Monitors

Specifications	S200	S205	S300	S305	S500	S505
Model	S200	S205	S300	S305	S500	S505
Measurement Units	ppm or mg/m <sup>3</sup>	ppm or mg/m <sup>3</sup>	ppm or mg/m <sup>3</sup>	ppm or mg/m <sup>3</sup>	ppm or mg/m <sup>3</sup>	ppm or mg/m <sup>3</sup>
T/H* Sensor	—	○	—	○	—	○
On-board alarm	—	—	○	○	○	○
Remote Sensor	○	○	○	○	○	○
Datalogging	—	—	—	—	4,300 measurements	3,400 measurements
Interface	—	—	—	—	RS232C	RS232C
Analog Output	—	—	0 to 5 V	0 to 5 V	0 to 5 V	0 to 5 V
Power supply	9.6V Battery / 12 VDC	9.6V Battery / 12 VDC	9.6V Battery / 12 VDC	9.6V Battery / 12 VDC	9.6V Battery / 12 VDC	9.6V Battery / 12 VDC
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"	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)	1.0 lbs (460 g)	1.0 lbs (460 g)	1.0 lbs (460 g)

\* Temperature and Humidity

## Gas Sensor Heads

### Features:

- The gas monitor is fully compatible with all gas sensors
- Sensor heads for handheld units are interchangeable without recalibration of main unit

### Optional Sensor Module

- NGUB:** Ammonia (0 to 100 ppm)
- NHUB:** Ammonia (0 to 1000 ppm)
- CNUB:** Carbon monoxide (0 to 100 ppm)
- COUB:** Carbon monoxide (0 to 1000 ppm)
- CDUB:** Carbon dioxide (0 to 2000 ppm)
- CEUB:** Carbon dioxide (0 to 5000 ppm)
- CFUB:** Carbon dioxide (0 to 50000 ppm)
- HAUB:** Hydrogen (0 to 5000 ppm)
- HSUB:** Hydrogen sulfide (0 to 10 ppm)
- HRUB:** Hydrogen sulfide (0 to 50 ppm)
- MTUB:** Methane (0 to 10000 ppm)
- NWUB:** Nitrogen dioxide (0 to 0.2 ppm)
- OZUUB:** Ozone (0 to 0.15 ppm)
- OZLUB:** Ozone (0 to 0.5 ppm)
- OZGUB:** Ozone (0 to 10 ppm)
- PEUB:** Perchloroethylene (0 to 200 ppm)
- SOUB:** Sulphur dioxide (0 to 10 ppm)
- SPUB:** Sulphur dioxide (0 to 100 ppm)
- VNUB:** NMHC (0 to 25 ppm)
- VMUB:** VOC isobutylene (0 to 25 ppm)
- VPUB:** VOC isobutylene (0 to 500 ppm)
- PDUB:** VOC PID (0 to 20 ppm)



### Gas Sensors Specifications

Gas Sensor Modules	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
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 - 0.200	+/- 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

\* Other specific concentrations available on request

### Accessories

- R10:** Remote Sensor Adapter with Cable
- R13:** Remote Sensor Adapter with Cable, Enclosure
- R31:** Replacement Battery
- R32:** Cigarette Lighter Adapter Battery Charger
- R33:** Wall Mount Bracket
- R40:** Carrying Case
- R52:** RS232 to USB Converter



R10