

GasD 8000 Series – Portable / Survey Gas Monitoring Applications

gasdetection.com/gas-detection-products/gasd-8000-portable-survey-gas-monitoring-applications/

Interscan's GasD 8000 portable gas analyzers represent a complete reimaging of our earlier flagship products, dating back to 1975—which defined how instrument-based toxic gas detection was performed.

GasD 8000 Series models are available for: Br₂, CO, Cl₂, ClO₂, C₂H₄, ethylene oxide, HCHO, H₂, hydrazine, HBr, HCl, HCN, H₂O₂, H₂S, NO, NO₂, O₃, peracetic acid, propylene oxide, and SO₂. And, of course, use the finest electrochemical sensors.



Features

- An integral sample pump, powered by rechargeable Lithium-Ion batteries, giving up to 8 hours of continuous service
- Digital readout of concentration, along with real time graphics display and integral data logging
- Audible and visual alarm
- Analog output (4-20 mA and 0-2.5 V)

GasD 8000 Specifications

Accuracy: ±2% of reading ±1 least significant digit

Display: Sunlight visible transflective LCD

Operating environment: 32°F – 113°F (0°C – 45°C) ; 0-90% relative humidity

Internal Battery: Rechargeable Lithium-Ion (5000 mAh)

Data Logging: Via integral SD card

Dimensions: 5½ in H x 8¼ in W x 10 in D (140 x 210 x 254 mm) Includes body and legs

Weight: 6.5 lb (2.95 kg)

Enclosure: Anodized aluminum

Power (when plugged in): Universal AC outlet adapter. Rated voltage 100-240V, 50/60hz, USB A. Total output: 5V, 2400 mA or higher.

Calibration: Against standard gas mixture, or via Interscan's SENSOR EXPRESS®

Weight: 6.5 lb (2.95 kg)

Dimensions: 5.5 in H x 8.25 in W x 10 in D (140 x 210 x 254 mm)

Measuring Range / Resolution

Measuring Range	Resolution
0-2000 ppm	1 ppm
0-1000 ppm	1 ppm
0-500.0 ppm	0.1 ppm
0-200.0 ppm	0.1 ppm
0-50.0 ppm	0.1 ppm
0-20.0 ppm	0.1 ppm
0-5.00 ppm	0.01 ppm
ppb ranges	1 ppb

NOTE: Not all measuring ranges are available for all gases. Please refer to specific ordering information, below.

Range Table and Ordering Information for 8000 Series Portable Gas Analyzers

GAS	MODEL NO.	STANDARD MEASURING RANGES (ppm, unless otherwise indicated)
Br₂ bromine	8700- 20.00m 8700-2000b	0-20.00 0-2000 ppb
CO carbon monoxide	8140-2000m 8140- 500.0m 8140- 200.0m 8140-50.0m	0-2000 0-500.0 0-200.0 0-50.0
Cl₂ chlorine	8340- 20.00m 8340-5.00m 8340-2000b	0-20.00 0-5.00 0-2000 ppb
ClO₂ chlorine dioxide	8330- 20.00m 8330-2000b 8330-1000b	0-20.00 0-2000 ppb 0-1000 ppb
C₂H₄ ethylene	8070-2000m 8070- 500.0m 8070- 200.0m 8070- 20.00m 8070-2000b	0-2000 0-500.0 0-200.0 0-20.00 0-2000 ppb
C₂H₄O aka EO or EtO ethylene oxide	8200-50.0m 8200- 20.00m 8200-5.00m 8200-2000b 8200-1000b	0-50.0 0-20.00 0-5.00 0-2000 ppb 0-1000 ppb
HCHO formaldehyde	8160- 20.00m 8160-5.00m 8160-2000b	0-20.00 0-5.00 0-2000 ppb

H₂NNH₂	8180-2000b	0-2000 ppb
CH₃NHNH₂	8180-1000b	0-1000 ppb
(CH₃)₂NNH₂	8180-500b	0-500 ppb
hydrazine(s) ¶	8180-100b	0-100 ppb
H₂	8020-2000m	0-2000
hydrogen	8020- 200.0m	0-200.0
HBr	8800- 20.00m	0-20.00
hydrogen bromide	8800-2000b	0-2000 ppb
HCl	8360- 20.00m	0-20.00
hydrogen chloride	8360-2000b	0-2000 ppb
HCN	8280- 200.0m	0-200.0
hydrogen cyanide	8280- 20.00m	0-20.00
	8280-2000b	0-2000 ppb
H₂O₂	8090-1000m	0-1000
hydrogen peroxide	8090- 200.0m	0-200.0
	8090-50.0m	0-50.0
	8090- 20.00m	0-20.00
	8090- 20.00m	0-5.00
	8090-5.00m	0-2000 ppb
	8090-2000b	
H₂S	8170-50.0m	0-50.0
hydrogen sulfide	8170- 20.00m	0-20.00
	8170-2000b	0-2000 ppb
	8170-1000b	0-1000 ppb
	8170-500b	0-500 ppb
	8170-200b	0-200 ppb

NO nitric oxide	8540- 200.0m 8540- 20.00m 8540-2000b	0-200.0 0-20.00 0-2000 ppb
NO₂ nitrogen dioxide Also known as N ₂ O ₄ nitrogen tetroxide	8150- 200.0m 8150- 20.00m 8150-2000b	0-200.0 0-20.00 0-2000 ppb
O₃ ozone	8480- 20.00m 8480-2000b	0-20.00 0-2000 ppb
C₂H₄O₃ aka PAA peracetic acid Also known as peroxyacetic acid	8890-50.0m 8890- 20.00m 8890-5.00m	0-50.0 0-20.00 0-5.00
C₃H₆O aka PO or PrO propylene oxide	8320- 200.0m 8320- 20.00m 8320-2000b	0-200.0 0-20.00 0-2000 ppb
SO₂ sulfur dioxide	8240-50.0m 8240- 20.00m 8240-2000b	0-50.0 0-20.00 0-2000 ppb

¶ There is not a separate analyzer available for each of these compounds, and the sensor does not respond equally to all hydrazine species. The analyzer must be calibrated with the specific hydrazine compound of interest.

Special ranges are available on request.