

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 reimagining 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, NH₃, NO, NO₂, O₃, peracetic acid, propylene oxide, and SO₂. And, of course, use the finest electrochemical sensors.

[Parametric search and print your own specific data sheet](#), for all GasD® 8000 models. Also lets you submit a specific inquiry for an immediate price quote.



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 (32 GB)

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

Range Table and Ordering Information for 8000 Series Portable Gas Analyzers

NH ₃ ammonia	8100-500.0m	0-500.0
	8100-50.00m	0-50.00
	8100-10.00m	0-10.00
Br ₂ bromine	8700-20.00m	0-20.00
	8700-2000b	0-2000 ppb
CO carbon monoxide	8140-2000m	0-2000
	8140-500.0m	0-500.0
	8140-200.0m	0-200.0
	8140-50.0m	0-50.0
Cl ₂ chlorine	8340-20.00m	0-20.00
	8340-5.00m	0-5.00
	8340-2000b	0-2000 ppb
ClO ₂ chlorine dioxide	8330-20.00m	0-20.00
	8330-2000b	0-2000 ppb
	8330-1000b	0-1000 ppb

C₂H₄ ethylene	8070-2000m	0-2000
	8070-500.0m	0-500.0
	8070-200.0m	0-200.0
	8070-20.00m	0-20.00
	8070-2000b	0-2000 ppb
C₂H₄O aka EO or EtO ethylene oxide	8200-50.0m	0-50.0
	8200-20.00m	0-20.00
	8200-5.00m	0-5.00
	8200-2000b	0-2000 ppb
	8200-1000b	0-1000 ppb
HCHO formaldehyde	8160-20.00m	0-10.00
	8160-5.00m	0-5.00
	8160-2000b	0-2000 ppb
H₂NNH₂ CH₃NHNH₂ (CH₃)₂NNH₂ hydrazine(s) ¶¶	8180-2000b	0-2000 ppb
	8180-1000b	0-1000 ppb
	8180-500b	0-500 ppb
	8180-100b	0-100 ppb
H₂ hydrogen	8020-2000m	0-2000
	8020-200.0m	0-200.0
HBr hydrogen bromide	8800-20.00m	0-20.00
	8800-2000b	0-2000 ppb
HCl hydrogen chloride	8360-20.00m	0-20.00
	8360-2000b	0-2000 ppb
HCN hydrogen cyanide	8280-200.0m	0-200.0
	8280-20.00m	0-20.00
	8280-2000b	0-2000 ppb
H₂O₂ hydrogen peroxide	8090-1000m	0-1000
	8090-200.0m	0-200.0
	8090-50.0m	0-50.0
	8090-20.00m	0-20.00
	8090-5.00m	0-5.00
	8090-2000b	0-2000 ppb
H₂S hydrogen sulfide	8170-50.0m	0-50.0
	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 8150-10.00m 8150-2000b	0-200.0 0-20.00 0-10.00 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.