

# GasD 8000 Series – Portable / Survey Gas Monitoring Applications

[gasdetection.com/gas-detection-products/gasd-8000-portable-survey-gas-monitoring-applications](http://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: Br<sub>2</sub>, CO, Cl<sub>2</sub>, ClO<sub>2</sub>, C<sub>2</sub>H<sub>4</sub>, ethylene oxide, HCHO, H<sub>2</sub>, hydrazine, HBr, HCl, HCN, H<sub>2</sub>O<sub>2</sub>, H<sub>2</sub>S, NO, NO<sub>2</sub>, O<sub>3</sub>, peracetic acid, propylene oxide, and SO<sub>2</sub>. 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**

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GAS	MODEL NO.	STANDARD MEASURING RANGES (ppm, unless otherwise indicated)
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<b>Br<sub>2</sub> bromine</b>	<b>8700- 20.00m 8700-2000b</b>	<b>0-20.00 0-2000 ppb</b>
<b>CO carbon monoxide</b>	<b>8140- 2000m 8140- 500.0m 8140- 200.0m 8140-50.0m</b>	<b>0-2000 0-500.0 0-200.0 0-50.0</b>
<b>Cl<sub>2</sub> chlorine</b>	<b>8340- 20.00m 8340-5.00m 8340-2000b</b>	<b>0-20.00 0-5.00 0-2000 ppb</b>
<b>ClO<sub>2</sub> chlorine dioxide</b>	<b>8330- 20.00m 8330-2000b 8330-1000b</b>	<b>0-20.00 0-2000 ppb 0-1000 ppb</b>
<b>C<sub>2</sub>H<sub>4</sub> ethylene</b>	<b>8070- 2000m 8070- 500.0m 8070- 200.0m 8070- 20.00m 8070-2000b</b>	<b>0-2000 0-500.0 0-200.0 0-20.00 0-2000 ppb</b>
<b>C<sub>2</sub>H<sub>4</sub>O aka EO or EtO ethylene oxide</b>	<b>8200-50.0m 8200- 20.00m 8200-5.00m 8200-2000b 8200-1000b</b>	<b>0-50.0 0-20.00 0-5.00 0-2000 ppb 0-1000 ppb</b>
<b>HCHO formaldehyde</b>	<b>8160- 20.00m 8160-5.00m 8160-2000b</b>	<b>0-20.00 0-5.00 0-2000 ppb</b>
<b>H<sub>2</sub>NNH<sub>2</sub> CH<sub>3</sub>NHNH<sub>2</sub> (CH<sub>3</sub>)<sub>2</sub>NNH<sub>2</sub> hydrazine(s) ¶</b>	<b>8180-2000b 8180-1000b 8180-500b 8180-100b</b>	<b>0-2000 ppb 0-1000 ppb 0-500 ppb 0-100 ppb</b>

<b>H<sub>2</sub> hydrogen</b>	<b>8020- 2000m 8020- 200.0m</b>	<b>0-2000 0-200.0</b>
<b>HBr hydrogen bromide</b>	<b>8800- 20.00m 8800-2000b</b>	<b>0-20.00 0-2000 ppb</b>
<b>HCl hydrogen chloride</b>	<b>8360- 20.00m 8360-2000b</b>	<b>0-20.00 0-2000 ppb</b>
<b>HCN hydrogen cyanide</b>	<b>8280- 200.0m 8280- 20.00m 8280-2000b</b>	<b>0-200.0 0-20.00 0-2000 ppb</b>
<b>H<sub>2</sub>O<sub>2</sub> hydrogen peroxide</b>	<b>8090- 1000m 8090- 200.0m 8090-50.0m 8090- 20.00m 8090-5.00m 8090-2000b</b>	<b>0-1000 0-200.0 0-50.0 0-20.00 0-5.00 0-2000 ppb</b>
<b>H<sub>2</sub>S hydrogen sulfide</b>	<b>8170-50.0m 8170- 20.00m 8170-2000b 8170-1000b 8170-500b 8170-200b</b>	<b>0-50.0 0-20.00 0-2000 ppb 0-1000 ppb 0-500 ppb 0-200 ppb</b>
<b>NO nitric oxide</b>	<b>8540- 200.0m 8540- 20.00m 8540-2000b</b>	<b>0-200.0 0-20.00 0-2000 ppb</b>
<b>NO<sub>2</sub> nitrogen dioxide Also known as N<sub>2</sub>O<sub>4</sub> nitrogen tetroxide</b>	<b>8150- 200.0m 8150- 20.00m 8150-2000b</b>	<b>0-200.0 0-20.00 0-2000 ppb</b>

<b>O<sub>3</sub> ozone</b>	<b>8480- 20.00m 8480-2000b</b>	<b>0-20.00 0-2000 ppb</b>
<b>C<sub>2</sub>H<sub>4</sub>O<sub>3</sub> aka PAA peracetic acid Also known as peroxyacetic acid</b>	<b>8890-50.0m  8890- 20.00m  8890-5.00m</b>	<b>0-50.0  0-20.00  0-5.00</b>
<b>C<sub>3</sub>H<sub>6</sub>O aka PO or PrO propylene oxide</b>	<b>8320- 200.0m 8320- 20.00m 8320-2000b</b>	<b>0-200.0 0-20.00 0-2000 ppb</b>
<b>SO<sub>2</sub> sulfur dioxide</b>	<b>8240-50.0m 8240- 20.00m 8240-2000b</b>	<b>0-50.0 0-20.00 0-2000 ppb</b>

¶ 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.