

# 4000 Series Compact Portable Analyzers



## Features

- An integral sample pump, powered by rechargeable Ni-Cad batteries (supplied), giving up to 10 hours of continuous service
- Digital readout of concentration in real time
- Audible and visual alarm
- Nylon/Cordura carrying case
- Plug-in "calculator-type" battery charger
- UL Classified Intrinsically Safe models, for use in hazardous locations, Class I, Groups A, B, C, and D (10X0), are available. Please consult factory.
- Analog output (0-100 mV f.s.)
- CE Approved models available, please consult factory.

## Options

- Special ranges
- Special packaging

## Additional Specs

### Resolution

0-1999 ppm range: 1 ppm  
0-199.9 ppm range: 0.1ppm  
0-19.99 ppm range: 0.01 ppm  
0-1999 ppb range: 1 ppb

**Weight:** 4.5 lb (2.0 kg)

### Dimensions:

7" H x 4" W x 8.875" D  
(178 x 102 x 225 mm)

**Specifications common to all Interscan  
gas detection instruments**

## Range Table and Ordering Information for 4000 Series Portable Analyzers

GAS	MODEL NO.	STANDARD MEASURING RANGES (ppm, unless otherwise indicated)	LOWEST RANGE Available on special order (ppm, unless otherwise indicated)
<b>Br<sub>2</sub></b> bromine	4700-0	0-1999	0-1999 <b>ppb</b>
	4700-1	0-199.9	
	4700-2	0-19.99	
<b>CO</b> carbon monoxide	4140-0	0-1999	0-10
	4140-1	0-199.9	
	4140-2	0-19.99	
<b>Cl<sub>2</sub></b> chlorine	4340-0	0-1999	0-1999 <b>ppb</b>
	4340-1	0-199.9	
	4340-2	0-19.99	
<b>ClO<sub>2</sub></b> chlorine dioxide	4330-0	0-1999	0-1000 <b>ppb</b>
	4330-1	0-199.9	
	4330-2	0-19.99	
<b>C<sub>2</sub>H<sub>4</sub></b> ethylene	4070-0	0-1999	0-1999 <b>ppb</b>
	4070-1	0-199.9	
	4070-2	0-19.99	
<b>EtO</b> ethylene oxide	4200-0	0-1999	0-1000 <b>ppb</b>
	4200-1	0-199.9	
	4200-2	0-19.99	
<b>HCHO</b> formaldehyde	4160-0	0-1999	0-500 <b>ppb</b>
	4160-1	0-199.9	
	4160-2	0-19.99	
<b>H<sub>2</sub>NNH<sub>2</sub></b> <b>CH<sub>3</sub>NHNNH<sub>2</sub></b> <b>(CH<sub>3</sub>)<sub>2</sub>NNH<sub>2</sub></b> hydrazine(s) ††	4180-0	0-1999	0-100 <b>ppb</b>
	4180-1	0-199.9	
	4180-2	0-19.99	
	4180-3	0-1999 <b>ppb</b>	
	4183□	0-0.5/0-2	
	4186□	0-2/0-10	
	4187□	0-100/0-2000 <b>ppb</b>	
4189□	0-100/0-1000 <b>ppb</b>		
<b>H<sub>2</sub></b> hydrogen	4020-0	0-1999	0-100
	4020-1	0-199.9	
<b>HBr</b> hydrogen bromide	4800-0	0-1999	0-1999 <b>ppb</b>
	4800-1	0-199.9	
	4800-2	0-19.99	
<b>HCl</b> hydrogen chloride	4360-0	0-1999	0-1999 <b>ppb</b>
	4360-1	0-199.9	
	4360-2	0-19.99	
<b>HCN</b> hydrogen cyanide	4280-0	0-1999	0-1999 <b>ppb</b>
	4280-1	0-199.9	
	4280-2	0-19.99	
<b>H<sub>2</sub>S</b> hydrogen sulfide	4170-0	0-1999	0-500 <b>ppb</b>
	4170-1	0-199.9	
	4170-2	0-19.99	
	4170-3	0-1999 <b>ppb</b>	
<b>NO</b> nitric oxide	4540-0	0-1999	0-1999 <b>ppb</b>
	4540-1	0-199.9	
	4540-2	0-19.99	

<b>NO<sub>2</sub></b> nitrogen dioxide Also known as <b>N<sub>2</sub>O<sub>4</sub></b> nitrogen tetroxide	4150-0 4150-1 4150-2 4152 $\alpha$ 4154 $\alpha$	0-1999 0-199.9 0-19.99 0-2/10 0-10/0-50	0-1999 ppb
<b>O<sub>3</sub></b> ozone	4480-0 4480-1 4480-2	0-1999 0-199.9 0-19.99	0-1999 ppb
<b>PrO</b> propylene oxide	4320-0 4320-1 4320-2	0-1999 0-199.9 0-19.99	0-1000 ppb
<b>SO<sub>2</sub></b> sulfur dioxide	4240-0 4240-1 4240-2	0-1999 0-199.9 0-19.99	0-1999 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.

$\alpha$  Indicates the analog meter UL classified intrinsically safe version, which must be ordered in most hypergol monitoring applications.



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