

HYDROGEN CHLORIDE

(0-100 ppm)

Part No. 081232-D-2

Minimum Indicated Concentration 4 ppm

Repeatability $\pm 2\%$ of reading

Accuracy * $\pm 2\%$ of full scale

Zero Drift $< 5\%$ change per year (typical)

Span Drift $< 10\%$ change per year (typical)

Response Time (Rise) T_{50} : < 36 seconds, (typical)
 T_{90} : < 120 seconds, successive exposures

Recovery Time (Fall) T_{10} : < 90 seconds

Temperature Range (continuous) -20° to 50°C (-4°F to 122°F)

Humidity Range (continuous) $5-95\%$ RH, non-condensing

Humidity Range (intermittent[†]) $0-99\%$ RH, non-condensing

Pressure Range Ambient atmospheric, ± 1 psi

Recommended Calibration Flow Rate 1.0 LPM

Oxygen Requirement 1% by volume, minimum

[†] Gas exposure should not exceed eight (8) hours during any 24 hour period.

* When unit is calibrated and serviced at recommended intervals.

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Interferent	TLV	LEL	Exposure	Response
Carbon Monoxide	25 ppm	12.5 %v	100 ppm	+ 1 ppm
Chlorine	0.5 ppm	***	10 ppm	- 1 ppm
Ethylene	asphyxiant	3.1 %v	33 ppm	+ 1 ppm
Hydrogen	asphyxiant	4.0 %v	200 ppm	+ 1 ppm
Hydrogen Cyanide	C 4.7 ppm	5.6 %v	30 ppm	+ 1 ppm
Hydrogen Sulfide	10 ppm	4.0 %v	1.1 ppm	+ 1 ppm
Nitric Oxide	25 ppm	***	35 ppm	None
Nitrogen Dioxide	3 ppm	***	10 ppm	+ 1 ppm
Sulfur Dioxide	2 ppm	***	1.4 ppm	+ 1 ppm