DIBORANE

(0-1.00 ppm)

Part No. 291042-D-1

Minimum Indicated Concentration ..... 0.04 ppm
Repeatability ..... ± 2% of reading
Accuracy * ..... ± 2% of full scale
Zero Drift ..... < 5% change per year (typical)
Span Drift ..... < 10% change per year (typical)
Response Time (Rise) ..... T_{50}: < 45 seconds, (typical)
T_{90}: < 10 seconds, successive exposures
Recovery Time (Fall) ..... T_{10}: < 30 seconds
Temperature Range ..... -20° to 50°C (-4° 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
Acetylene	asphyxiant	2.5 %v	ppm range	No Data-Pos(+) Interferent
Arsine	0.05 ppm	***	0.8 ppm	+ 1 ppm
Hydrocarbons			%vol range	None
Germane	0.2 ppm	***	1.6 ppm	+ 1 ppm
Hydrogen	asphyxiant	4.0 %v	3000 ppm	None
Phosphine	0.3 ppm	***	1 ppm	+ 1 ppm
Silane	5 ppm	***	0.6 ppm	+ 1 ppm
Sulfur Dioxide	2 ppm	***	4 ppm	No Data

Interferent Notes

(***) means the substance is not combustible in air under normal conditions. "C" Denotes a ceiling (in TLV column).

If an interferent is present and there is no target gas, certain transmitters will not display the interferent response until the EFFECT of the interferent reaches ± 0.04 ppm. This is due to display "blanking" that occurs between - 0.03 ppm and + 0.03 ppm on transmitters that display gas concentrations with two digits after the decimal.