

APPENDIX A

SENSOR SPECIFICATIONS

CARBON MONOXIDE

(0-1000 ppm)

Part No. 195272-D-3X

Minimum Indicated Concentration	31 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 : < 10 seconds, (typical) T ₉₀ : < 30 seconds, successive exposures
Recovery Time (Fall)	T ₁₀ : < 45 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
Chlorine	0.5 ppm	***	1 ppm	None
Ethylene	asphyxiant	3.1 %v	1.3 ppm	+ 1 ppm
Hydrogen	asphyxiant	4.0 %v	1.7 ppm	+ 1 ppm
Hydrogen Chloride	C 5 ppm	***	5 ppm	None
Hydrogen Cyanide	C 4.7 ppm	5.6 %v	5 ppm	+ 1 ppm
Hydrogen Sulfide	10 ppm	4.0 %v	50 ppm	+ 1 ppm
Nitric Oxide	25 ppm	***	5 ppm	+ 1 ppm
Nitrogen Dioxide	3 ppm	***	5 ppm	- 1 ppm
Sulfur Dioxide	2 ppm	***	5 ppm	None

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 ± 4 ppm. This is due to display "blinking" that occurs between -3 ppm and + 3 ppm on transmitters that display gas concentrations as whole numbers (no decimals).