

SENSOR SPECIFICATIONS & PERFORMANCE

Carbon Monoxide Sensor-Model CO-91NS

Range.....	0-100ppm
Minimum Indicated Concentration.....	1 ppm
Repeatability.....	+(-)2% of reading
Accuracy (Monthly calibration required).....	+(-)2% (2ppm) full scale
Zero Drift.....	<5% change per year
Span Drift.....	<10% change per year
Response Time.....	<10 seconds
Recovery Time.....	<45 seconds
Temperature Range.....	-20° to 50° C (-4° to 122° F)
Humidity Range (continuous).....	5 to 95% RH

Interference Gases:

Gas	TLV	Gas Exposure	Response Effect
Chlorine	0.5ppm	1 ppm	None
Ethylene	asphyxiant	1.3 ppm	+1 ppm
Hydrogen	asphyxiant	1.7 ppm	+1 ppm
Hydrogen Chloride	5 ppm	5ppm	None
Hydrogen Cyanide	4.7 ppm	5 ppm	+1 ppm
Hydrogen Sulfide	10 ppm	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

Oxygen Sensor-Model CO2-O2

Range.....	0-25.0% volume
Minimum Indicated Concentration.....	0.1% volume
Span Drift.....	<10% change per year
Response Time (Rise).....	<10 seconds, 0-20.9%
Temperature Range.....	-20° to 50° C (-40° to 122° F)
Humidity Range.....	5-95% RH

Interference Gases:

Gas	TLV	Gas Exposure	Response Effect
Carbon Dioxide	5000ppm	10% volume	+1% volume
Carbon Monoxide	25ppm	40% volume	<1% volume
Chlorine	0.5ppm	>1% volume	+1% volume
Hydrogen	asphyxiant	50% volume	<-1% volume
Methane	asphyxiant	<100% volume	None
Nitrogen Dioxide	3 ppm	2% volume	+1% volume
Ozone	0.05 ppm	>1% volume	+1% volume