





2-wire loop powered toxic and oxygen gas detector for use in potentially explosive atmospheres

Use		reliable gas detector for the pro one 1 or 2 hazardous areas and					
Detectable gases							
Gas	Formula	Selectable full scale range	Default range	Operating To Min	emperature* Max	Lower Detection Limit	
Oxygen	0,	25.0%/Vol only	25.0% Vol	-40°F/-40°C	131°F/55°C	3.5% Vol	
Carbon Monoxide	CÓ	100 to 1,000 ppm	300 ppm	-40°F/-40°C	131°F/55°C	15 ppm	
Hydrogen Sulfide	H _a S	10 to 50 ppm	15 ppm	-40°F/-40°C	131°F/55°C	1.5 ppm	
Hydrogen Sulfide	H ₂ S	50 to 500 ppm	100 ppm	-4°F/-20°C	131°F/55°C	3 ppm	
Chlorine	Cl ₂	5 to 20 ppm	5 ppm	14°F/-10°C	131°F/55°C	0.6 ppm	
Ozone (pending)	0,	0 to 0.4 ppm only	0.4 ppm	-4°F/-20°C	131°F/55°C		
Sulfur Dioxide	SO ₂	5.0 to 20.0 ppm	15 ppm	-40°F/-40°C	131°F/55°C	0.6 ppm	
Chlorine Dioxide	CIO,	0 to 1 ppm only	1 ppm	-4°F/-20°C	131°F/55°C	0.03 ppm	
Nitrogen Monoxide	NO	0 to 100 ppm	100 ppm	-4°F/-20°C	131°F/55°C	3 ppm	
Nitrogen Dioxide	NO ₂	5 to 50 ppm	10 ppm	-4°F/-20°C	131°F/55°C	1.5 ppm	
Hydrogen	H ₂	0 to 1000 ppm only	1000 ppm	-4°F/-20°C	131°F/55°C	30 ppm	
Hydrogen	H ₂	0 to 10,000 only	10,000 ppm	-4°F/-20°C	131°F/55°C	300 ppm	
Hydrogen Chloride	HČI	10 to 20 ppm	10 ppm	-4°F/-20°C	131°F/55°C	0.3 ppm	
Hydrogen Cyanide (pending)	HCN	0 to 20 ppm only	20 ppm	-4°F/-20°C	131°F/55°C		
Hydrogen Fluoride	HF	0 to 12 ppm only	12 ppm	-4°F/-20°C	131°F/55°C	0.4 ppm	
Ammonia**	NH ₃	50 to 200 ppm	200 ppm	-4°F/-20°C	122°F/50°C***	6 ppm	
Ammonia**	NH ₃	200 to 1,000 ppm	1,000 ppm	-4°F/-20°C	104°F/40°C	30 ppm	
Phosphine	PH	0 to 1.2 ppm only	1.2 ppm	-4°F/-20°C	131°F/55°C	0.04 ppm	
**+131°F/+55°C intermittent.							
Connections and power	2-wire loop p	2-wire loop powered; 17Vdc (+/-10%) to 24Vdc (max) operation; 22mA max. over range					
Recommended cable	2-wire with s	2-wire with shield (90% coverage) or conduit; 0.5mm² (20AWG) to 2.0mm² (14AWG)					
Signal		0-100%FSD 4-20mA; Fault = 3mA; Calibration due selectable off or 3mA Max. over range 22mA; Inhibit (toxic sensors) = Selectable 3mA or 4mA Inhibit; (0xygen sensors) = Selectable 3mA or 17.4mA					
Signal		nge 22mA; Inhibit (toxic sensors) =		it; (Oxygen sensors) = S	Selectable 3mA or 17.4	4mA	
Signal Construction		nge 22mA; Inhibit (toxic sensors) =		it; (Oxygen sensors) = \$	Selectable 3mA or 17.4	4mA	
Construction		ge 22mA; Inhibit (toxic sensors) = Epoxy painted aluminum allow LM stainless steel with PTFE filter	= Selectable 3mA or 4mA Inhib	it; (Oxygen sensors) = \$	Selectable 3mA or 17.4	4mA	
•	Sensor: 316	Epoxy painted aluminum allow LM	= Selectable 3mA or 4mA Inhib	it; (Oxygen sensors) = \$	Selectable 3mA or 17.4	4mA	
Construction Material Maximum Dimensions	Sensor: 316 6.4 x 7.9 x 3	Epoxy painted aluminum allow LM stainless steel with PTFE filter	= Selectable 3mA or 4mA Inhib 25 or 316 stainless steel	it; (Oxygen sensors) = \$	Selectable 3mA or 17.4	4mA	
Construction Material	Sensor: 316 6.4 x 7.9 x 3	Epoxy painted aluminum allow LM stainless steel with PTFE filter .9 inches; 164 x 201 x 99mm	= Selectable 3mA or 4mA Inhib 25 or 316 stainless steel	it; (Oxygen sensors) = \$	Selectable 3mA or 17.4	4mA	
Construction Material Maximum Dimensions Weight Environmental	Sensor: 316 6.4 x 7.9 x 3 Aluminum all	Epoxy painted aluminum allow LM stainless steel with PTFE filter .9 inches; 164 x 201 x 99mm	= Selectable 3mA or 4mA Inhib 25 or 316 stainless steel	it; (Oxygen sensors) = \$	Selectable 3mA or 17.4	4mA	
Construction Material Maximum Dimensions Weight Environmental IP rating	Sensor: 316 6.4 x 7.9 x 3 Aluminum all IP66 (EN605)	Epoxy painted aluminum allow LM stainless steel with PTFE filter .9 inches; 164 x 201 x 99mm oy: 3.75 lbs./1.79 kg; stainless st	= Selectable 3mA or 4mA Inhib 25 or 316 stainless steel eel: 8.16 lbs./3.7 kg		Selectable 3mA or 17.4	4mA	
Construction Material Maximum Dimensions Weight	Sensor: 316 6.4 x 7.9 x 3 Aluminum all IP66 (EN605)	Epoxy painted aluminum allow LM stainless steel with PTFE filter .9 inches; 164 x 201 x 99mm .9; 3.75 lbs./1.79 kg; stainless st	= Selectable 3mA or 4mA Inhib 25 or 316 stainless steel eel: 8.16 lbs./3.7 kg		Selectable 3mA or 17.4	4mA	
Construction Material Maximum Dimensions Weight Environmental IP rating Operating humidity	Sensor: 316 6.4 x 7.9 x 3 Aluminum all IP66 (EN605: Continuous 2 90-110kPa 59°F to 86°F	Epoxy painted aluminum allow LM stainless steel with PTFE filter .9 inches; 164 x 201 x 99mm .9; 3.75 lbs./1.79 kg; stainless st	= Selectable 3mA or 4mA Inhib 25 or 316 stainless steel eel: 8.16 lbs./3.7 kg		Selectable 3mA or 17.4	4mA	

Please Note:

While every effort has been made to ensure accuracy in this publication, no responsibility can be accepted for errors or omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards, and guidelines. This publication is not intended to form the basis of a contract.



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