

# GG-EXP GAS DETECTOR

EXPLOSION PROOF

Industry standard linear 4/20 mA output

Explosion Proof Enclosure for classified areas

Transmitters are configured for a variety of target gases and ranges

Circuit board and components potted to completely prevent corrosion

Target Gas Specific sensor element technology; prevents false alarms

TARGET GASES



## SPECIFICATIONS [ALL VARIANTS]

Enclosure	Copper-free aluminum body, epoxy powder coat finish, neoprene gasket, for hazardous areas
Dimensions	6.75" H x 5.25" W x 4.5" D
Weight	3.75 lbs
Wiring Connection	3-conductor, shielded, stranded, ≥ 20 AWG cable (Belden 8772 or equivalent) up to 1500 ft
Terminal Block Plug (field wiring)	26-12 AWG, torque 4.5 lbs-in
Output Signal	4/20 mA linear output
Input Power	+24 VDC
Detection Method	Diffusion
Linearity	+/- 0.5% Full Scale

## APPLICATIONS

- Cold Storage
- Compressor Rooms
- Sea Vessels
- Shipping Warehouses
- Ice Rinks
- Refrigeration
- Food Processing
- Breweries

# GG-EXP Gas Detector Specifications [EXPLOSION PROOF ENCLOSURE]



Target Gas	Range	Item #	Sensor Technology	Replacement Sensor Element	Response Time		Accuracy	Zero Drift / month	Span Drift / month	Current Draw Max	Operating Temp	
					T50	T90					Min	Max
<a href="#">AMMONIA (NH3)</a>	0-100 PPM	GG-NH3-100-EXP	Electrochemical	GG-NH3-RC-EXP	< 30 sec	< 60 sec	+/- 5% FS	< 0.1% FS	< 3%	40 mA	-4°F	122°F
	0-250 PPM	GG-NH3-250-EXP	Electrochemical	GG-NH3-RC-EXP	< 30 sec	< 60 sec	+/- 5% FS	< 0.1% FS	< 3%	40 mA	-4°F	122°F
	0-300 PPM	GG-NH3-300-EXP	Electrochemical	GG-NH3-RC-EXP	< 30 sec	< 60 sec	+/- 5% FS	< 0.1% FS	< 3%	40 mA	-4°F	122°F
	0-500 PPM	GG-NH3-500-EXP	Electrochemical	GG-NH3-HR-RC-EXP	< 30 sec	< 60 sec	+/- 5% FS	< 0.1% FS	< 3%	40 mA	-4°F	122°F
	0-1,000 PPM	GG-NH3-1000-EXP	Electrochemical	GG-NH3-HR-RC-EXP	< 30 sec	< 60 sec	+/- 5% FS	< 0.1% FS	< 3%	40 mA	-4°F	122°F
	0-10,000 PPM	GG-NH3-1%-EXP	Catalytic Bead	GG-NH3-1%-RS-EXP	< 30 sec	< 60 sec	+/- 5%	< 0.1% FS	< 2%	80 mA	-40°F	120°F
	0-20,000 PPM	GG-NH3-2%-EXP	Catalytic Bead	GG-NH3-2%-RS-EXP	< 30 sec	< 60 sec	+/- 5%	< 0.1% FS	< 2%	80 mA	-40°F	120°F
<a href="#">CARBON MONOXIDE (CO)</a>	0-200 PPM	GG-CO-200-EXP	Electrochemical	GG-CO-RC-EXP	< 30 sec	< 60 sec	+/- 5% FS	< 0.1% FS	< 3%	40 mA	-4°F	122°F
<a href="#">CHLORINE (CL2)</a>	0-5 PPM	GG-CL2-5-EXP	Electrochemical	GG-CL2-RC-EXP	< 30 sec	< 60 sec	+/- 5% FS	< 0.1% FS	< 3%	40 mA	-4°F	122°F
<a href="#">HYDROGEN (H2)</a>	0-2,000 PPM	GG-H2-EC-2000-EXP	Electrochemical	GG-H2-EC-RC-EXP	< 30 sec	< 60 sec	+/- 5% FS	< 0.1% FS	< 3%	40 mA	-4°F	122°F
	0-10,000 PPM	GG-H2-EC-10000-EXP	Electrochemical	GG-H2-EC-RC-EXP	< 30 sec	< 60 sec	+/- 5% FS	< 0.1% FS	< 3%	40 mA	-4°F	122°F
<a href="#">HYDROGEN SULFIDE (H2S)</a>	0-50 PPM	GG-H2S-50-EXP	Electrochemical	GG-H2S-RC-EXP	< 30 sec	< 120 sec	+/- 5% FS	< 0.1% FS	< 3%	40 mA	-4°F	122°F
<a href="#">Nitrogen Dioxide (NO2)</a>	0-10 PPM	GG-NO2-10-EXP	Electrochemical	GG-NO2-RC-EXP	< 45 sec	< 90 sec	+/- 5% FS	< 0.1% FS	< 3%	40 mA	-4°F	122°F
<a href="#">OXYGEN (O2)</a>	0-25%	GG-O2-0/25-EXP	Electrochemical	GG-O2-RC-EXP	< 30 sec	< 60 sec	+/- 2%	< 0.5% FS	< 0.5%	40 mA	-4°F	122°F
	15-25%	GG-O2-15/25-EXP	Electrochemical	GG-O2-RC-EXP	< 30 sec	< 60 sec	+/- 2%	< 0.5% FS	< 0.5%	40 mA	-4°F	122°F
<a href="#">SULFUR DIOXIDE (SO2)</a>	0-20 PPM	GG-SO2-20-EXP	Electrochemical	GG-SO2-RC-EXP	< 30 sec	< 120 sec	+/- 5% FS	< 0.1% FS	< 3%	40 mA	-4°F	122°F

Transmitters are target gas, and sensor technology specific. Use only the specified replacement sensor for each gas detector

FS=Full Scale