

GG GAS DETECTOR

BUILT FOR HARSH ENVIRONMENTS

Target Gas Specific sensor element technology; prevents false alarms

Circuit board and components potted to completely prevent corrosion

SAFECELL® technology included with Ammonia Electrochemical sensors; checks electrical viability of the electrochemical cell

Washdown-duty corrosion, weather, and chemical resistant polycarbonate or stainless steel enclosure options

Intelligent heater for temperature and moisture control (EC & IR)

Internal splash guard re-directs water from high-pressure hose-hits



STAINLESS STEEL Enclosure
18 GA, NEMA 3RX washdown-duty, with hinged lid and captive screw.



Available in Polycarbonate or Stainless Steel Enclosures

POLYCARBONATE Enclosure
Injection-molded, NEMA 3RX washdown-duty, with hinged lid and captive screw.



TARGET GASES



Sensor Elements available for a variety of target gases and ranges

SPECIFICATIONS [ALL VARIANTS]

Enclosure	POLYCARBONATE: Injection-molded, NEMA 3RX washdown-duty, with hinged lid and captive screw STAINLESS STEEL: 18 GA, NEMA 3RX washdown-duty, with hinged lid and captive screw
Dimensions	7.7" H x 6.7" W x 3.8" D
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
Repeatability	+/- 1% full scale
Operating Humidity	Synthetic Refrigerants: 0-100% condensing All other Target Gases: 5-100% condensing
Warranty	2 years sensing element and transmitter
Certification	SGS listed to UL 61010-1, and CSA C22.2 No. 61010-1-12



APPLICATIONS

- Cold Storage
- Compressor Rooms
- Sea Vessels
- Shipping Warehouses
- Ice Rinks
- Refrigeration
- Food Processing
- Breweries
- Grocery Stores
- Wastewater
- Chemical Plants
- Vehicle Depots
- Wineries
- Water Treatment
- Pharmaceuticals

GG Gas Detector Specifications [POLYCARBONATE ENCLOSURE]



Target Gas	Range	Part #	Sensor Technology	Replacement Sensor	Response Time		Accuracy	Zero Drift / month	Span Drift / month	Linearity	Weight	Current Draw Max	Operating Temp	
					T50	T90							Min	Max
Ammonia (NH3)	0-50 PPM	GG-NH3-50	SAFECELL® Electrochemical	GG-NH3-RC	< 30 sec	< 60 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	2.15 lbs	350 mA	-50°F	122°F
	0-100 PPM	GG-NH3-100	SAFECELL® Electrochemical	GG-NH3-RC	< 30 sec	< 60 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	2.15 lbs	350 mA	-50°F	122°F
	0-150 PPM	GG-NH3-150	SAFECELL® Electrochemical	GG-NH3-RC	< 30 sec	< 60 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	2.15 lbs	350 mA	-50°F	122°F
	0-200 PPM	GG-NH3-200	SAFECELL® Electrochemical	GG-NH3-RC	< 30 sec	< 60 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	2.15 lbs	350 mA	-50°F	122°F
	0-250 PPM	GG-NH3-250	SAFECELL® Electrochemical	GG-NH3-RC	< 30 sec	< 60 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	2.15 lbs	350 mA	-50°F	122°F
	0-300 PPM	GG-NH3-300	SAFECELL® Electrochemical	GG-NH3-RC	< 30 sec	< 60 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	2.15 lbs	350 mA	-50°F	122°F
	0-500 PPM	GG-NH3-500	SAFECELL® Electrochemical	GG-NH3-HR-RC	< 30 sec	< 60 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	2.15 lbs	350 mA	-50°F	122°F
	0-1,000 PPM	GG-NH3-1000	SAFECELL® Electrochemical	GG-NH3-HR-RC	< 30 sec	< 60 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	2.15 lbs	350 mA	-50°F	122°F
	0-10,000 PPM	GG-NH3-1%	Catalytic Bead	GG-NH3-1%-RS	< 30 sec	< 60 sec	+/- 5%	<0.1% FS	< 2% FS	+/- 0.5%	2.15 lbs	250 mA	-40°F	120°F
	0-20,000 PPM	GG-NH3-2%	Catalytic Bead	GG-NH3-2%-RS	< 30 sec	< 60 sec	+/- 5%	<0.1% FS	< 2% FS	+/- 0.5%	2.15 lbs	250 mA	-40°F	120°F
Carbon Dioxide (CO2)	0-2,500 PPM	GG-CO2-2500	Infrared	N/A	< 30 sec	< 60 sec	+/- 2%	<0.5% FS	< 1% FS	+/- 0.5%	2.35 lbs	350 mA	-60°F	120°F
	0-5,000 PPM	GG-CO2-5000	Infrared	N/A	< 30 sec	< 60 sec	+/- 2%	<0.5% FS	< 1% FS	+/- 0.5%	2.35 lbs	350 mA	-60°F	120°F
	0-1%	GG-CO2-1%	Infrared	N/A	< 30 sec	< 60 sec	+/- 2%	<0.5% FS	< 1% FS	+/- 0.5%	2.35 lbs	350 mA	-60°F	120°F
	0-3%	GG-CO2-3%	Infrared	N/A	< 30 sec	< 60 sec	+/- 2%	<0.5% FS	< 1% FS	+/- 0.5%	2.35 lbs	350 mA	-60°F	120°F
	0-5%	GG-CO2-5%	Infrared	N/A	< 30 sec	< 60 sec	+/- 2%	<0.5% FS	< 1% FS	+/- 0.5%	2.35 lbs	350 mA	-60°F	120°F
	0-20%	GG-CO2-20%	Infrared	N/A	< 30 sec	< 60 sec	+/- 2%	<0.5% FS	< 1% FS	+/- 0.5%	2.35 lbs	350 mA	-60°F	120°F
	0-100%	GG-CO2-100%	Infrared	N/A	< 30 sec	< 60 sec	+/- 2%	<0.5% FS	< 1% FS	+/- 0.5%	2.35 lbs	350 mA	-60°F	120°F
Carbon Monoxide (CO)	0-200 PPM	GG-CO-200	Electrochemical	GG-CO-RC	< 30 sec	< 60 sec	+/- 5%	<0.1% FS	< 2% FS	+/- 0.5%	2.15 lbs	350 mA	-20°F	120°F
Chlorine (CL2)	0-5 PPM	GG-CL2-B-5	Electrochemical	GG-CL2-B-RC	< 60 sec	< 90 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	2.15 lbs	350 mA	-50°F	122°F
Hydrogen (H2)	0-1,000 PPM	GG-H2-EC-1000	Electrochemical	GG-H2-EC-RC	< 10 sec	< 30 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	2.15 lbs	350 mA	-20°F	120°F
	0-2,000 PPM	GG-H2-EC-2000	Electrochemical	GG-H2-EC-RC	< 10 sec	< 30 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	2.15 lbs	350 mA	-20°F	120°F
	0-10,000 PPM	GG-H2-EC-10000	Electrochemical	GG-H2-EC-RC	< 10 sec	< 30 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	2.15 lbs	350 mA	-20°F	120°F
Hydrogen Sulfide (H2S)	0-50 PPM	GG-H2S-50	Electrochemical	GG-H2S-RC	< 30 sec	< 120 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	2.15 lbs	350 mA	0°F	120°F
	0-200 PPM	GG-H2S-200	Electrochemical	GG-H2S-RC	< 30 sec	< 120 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	2.15 lbs	350 mA	0°F	120°F
Nitrogen Dioxide (NO2)	0-10 PPM	GG-NO2-B-10	Electrochemical	GG-NO2-B-RC	< 60 sec	< 120 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	2.15 lbs	350 mA	-50°F	122°F
Oxygen (O2)	0-25%	GG-O2-C0	Electrochemical	GG-O2-C-RC	< 30 sec	< 60 sec	+/- 2%	< 0.5% FS	< 0.5% FS	+/- 0.5%	2.15 lbs	350 mA	-10°F	125°F
	15/25%	GG-O2-C15	Electrochemical	GG-O2-C-RC	< 30 sec	< 60 sec	+/- 2%	< 0.5% FS	< 0.5% FS	+/- 0.5%	2.15 lbs	350 mA	-10°F	125°F
Ozone (O3)	0-1 PPM	GG-O3-A-1	Electrochemical	GG-O3-A-RC	< 120 sec	< 180 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 1%	2.15 lbs	350 mA	0°F	120°F
R11	0-1,000 PPM	GG-R11-1000	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	<1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
R123	0-3,000 PPM	GG-R123-3000	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	<1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
R1233ZD	0-1,000 PPM	GG-R1233ZD-1000	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	<1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F

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

FS=Full Scale

GG Gas Detector Specifications [POLYCARBONATE ENCLOSURE]



Target Gas	Range	Part #	Sensor Technology	Replacement Sensor	Response Time		Accuracy	Zero Drift / month	Span Drift / month	Linearity	Weight	Current Draw Max	Operating Temp	
					T50	T90							Min	Max
R123A	0-500 PPM	GG-R123A-500	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
	0-3,000 PPM	GG-R123A-1000	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
R134A	0-500 PPM	GG-R134A-500	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
	0-1,000 PPM	GG-R134A-1000	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
	0-3,000 PPM	GG-R134A-3000	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
R22	0-500 PPM	GG-R22-500	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
	0-1,000 PPM	GG-R22-1000	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
	0-3,000 PPM	GG-R22-3000	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
R404A	0-500 PPM	GG-R404A-500	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
	0-1,000 PPM	GG-R404A-1000	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
	0-3,000 PPM	GG-R404A-3000	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
R407A	0-500 PPM	GG-R407A-500	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
	0-1,000 PPM	GG-R407A-1000	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
	0-3,000 PPM	GG-R407A-3000	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
R407C	0-500 PPM	GG-R407C-500	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
	0-3,000 PPM	GG-R407C-3000	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
R407F	0-500 PPM	GG-R407F-500	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
	0-1,000 PPM	GG-R407F-1000	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
R410A	0-500 PPM	GG-R410A-500	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
	0-1,000 PPM	GG-R410A-1000	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
R422A	0-500 PPM	GG-R422A-500	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
R422D	0-500 PPM	GG-R422D-500	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
R434A	0-500 PPM	GG-R434A-500	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
R438A	0-500 PPM	GG-R438A-500	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
R448A	0-500 PPM	GG-R448A-500	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
	0-1,000 PPM	GG-R448A-1000	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
R449A	0-500 PPM	GG-R449A-500	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
	0-1,000 PPM	GG-R449A-1000	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
R507A	0-500 PPM	GG-R507A-500	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
	0-1,000 PPM	GG-R507A-1000	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
	0-3,000 PPM	GG-R507A-3000	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
R513A	0-500 PPM	GG-R513A-500	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
R514A	0-1,000 PPM	GG-R514A-500	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	2.6 lbs	330 mA	-50°F	120°F
Sulfur Dioxide (SO2)	0-20 PPM	GG-SO2-20	Electrochemical	GG-SO2-RC	< 30 sec	< 90 sec	+/- 5%	< 0.1% FS	< 3% FS	+/- 0.5%	2.15 lbs	350 mA	-40°F	122°F

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

FS=Full Scale

GG Gas Detector Specifications [STAINLESS STEEL ENCLOSURE]



Target Gas	Range	Part #	Sensor Technology	Replacement Sensor	Response Time		Accuracy	Zero Drift / month	Span Drift / month	Linearity	Weight	Current Draw Max	Operating Temp	
					T50	T90							Min	Max
Ammonia (NH3)	0-100 PPM	GG-NH3-100-ST	SAFECELL® Electrochemical	GG-NH3-RC	< 30 sec	< 60 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	3.4 lbs	350 mA	-50°F	122°F
	0-150 PPM	GG-NH3-150-ST	SAFECELL® Electrochemical	GG-NH3-RC	< 30 sec	< 60 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	3.4 lbs	350 mA	-50°F	122°F
	0-200 PPM	GG-NH3-200-ST	SAFECELL® Electrochemical	GG-NH3-RC	< 30 sec	< 60 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	3.4 lbs	350 mA	-50°F	122°F
	0-250 PPM	GG-NH3-250-ST	SAFECELL® Electrochemical	GG-NH3-RC	< 30 sec	< 60 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	3.4 lbs	350 mA	-50°F	122°F
	0-300 PPM	GG-NH3-300-ST	SAFECELL® Electrochemical	GG-NH3-RC	< 30 sec	< 60 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	3.4 lbs	350 mA	-50°F	122°F
	0-500 PPM	GG-NH3-500-ST	SAFECELL® Electrochemical	GG-NH3-HR-RC	< 30 sec	< 60 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	3.4 lbs	350 mA	-50°F	122°F
	0-1,000 PPM	GG-NH3-1000-ST	SAFECELL® Electrochemical	GG-NH3-HR-RC	< 30 sec	< 60 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	3.4 lbs	350 mA	-50°F	122°F
	0-10,000 PPM	GG-NH3-1%-ST	Catalytic Bead	GG-NH3-1%-RS	< 30 sec	< 60 sec	+/- 5%	<0.1% FS	< 2% FS	+/- 0.5%	3.4 lbs	250 mA	-40°F	120°F
0-20,000 PPM	GG-NH3-2%-ST	Catalytic Bead	GG-NH3-2%-RS	< 30 sec	< 60 sec	+/- 5%	<0.1% FS	< 2% FS	+/- 0.5%	3.4 lbs	250 mA	-40°F	120°F	
Carbon Dioxide (CO2)	0-1%	GG-CO2-1%-ST	Infrared	N/A	< 30 sec	< 60 sec	+/- 2%	<0.5% FS	< 1% FS	+/- 0.5%	3.6 lbs	350 mA	-60°F	120°F
	0-3%	GG-CO2-3%-ST	Infrared	N/A	< 30 sec	< 60 sec	+/- 2%	<0.5% FS	< 1% FS	+/- 0.5%	3.6 lbs	350 mA	-60°F	120°F
	0-5%	GG-CO2-5%-ST	Infrared	N/A	< 30 sec	< 60 sec	+/- 2%	<0.5% FS	< 1% FS	+/- 0.5%	3.6 lbs	350 mA	-60°F	120°F
Carbon Monoxide (CO)	0-200 PPM	GG-CO-200-ST	Electrochemical	GG-CO-RC	< 30 sec	< 60 sec	+/- 5%	<0.1% FS	< 2% FS	+/- 0.5%	3.4 lbs	350 mA	-20°F	120°F
Chlorine (CL2)	0-5 PPM	GG-CL2-B-5-ST	Electrochemical	GG-CL2-B-RC	< 60 sec	< 90 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	3.4 lbs	350 mA	-50°F	120°F
Hydrogen (H2)	0-2,000 PPM	GG-H2-EC-2000-ST	Electrochemical	GG-H2-EC-RC	< 10 sec	< 30 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	3.4 lbs	350 mA	-20°F	120°F
	0-10,000 PPM	GG-H2-EC-10000-ST	Electrochemical	GG-H2-EC-RC	< 10 sec	< 30 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	3.4 lbs	350 mA	-20°F	120°F
Hydrogen Sulfide (H2S)	0-50 PPM	GG-H2S-50-ST	Electrochemical	GG-H2S-RC	< 30 sec	< 120 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	3.4 lbs	350 mA	0°F	120°F
Nitrogen Dioxide (NO2)	0-10 PPM	GG-NO2-B-10-ST	Electrochemical	GG-NO2-B-RC	< 60 sec	< 120 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	3.4 lbs	350 mA	-50°F	122°F
Oxygen (O2)	0-25%	GG-O2-C0-ST	Electrochemical	GG-O2-C-RC	< 30 sec	< 60 sec	+/- 2%	< 0.5% FS	< 0.5% FS	+/- 0.5%	3.4 lbs	350 mA	-10°F	125°F
	15/25%	GG-O2-C15-ST	Electrochemical	GG-O2-C-RC	< 30 sec	< 60 sec	+/- 2%	< 0.5% FS	< 0.5% FS	+/- 0.5%	3.4 lbs	350 mA	-10°F	125°F
Ozone (O3)	0-1 PPM	GG-O3-A-1-ST	Electrochemical	GG-O3-A-RC	< 120 sec	< 180 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 1%	3.4 lbs	350 mA	0°F	120°F
Sulfur Dioxide (SO2)	0-20 PPM	GG-SO2-20-ST	Electrochemical	GG-SO2-RC	< 30 sec	< 90 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%	3.4 lbs	350 mA	-40°F	122°F
R134A	0-500 PPM	GG-R134A-500-ST	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	3.85 lbs	330 mA	-50°F	120°F
	0-3,000 PPM	GG-R134A-3000-ST	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	3.85 lbs	330 mA	-50°F	120°F
R22	0-500 PPM	GG-R22-500-ST	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	3.85 lbs	330 mA	-50°F	120°F
	0-1,000 PPM	GG-R22-1000-ST	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	3.85 lbs	330 mA	-50°F	120°F
	0-3,000 PPM	GG-R22-3000-ST	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	3.85 lbs	330 mA	-50°F	120°F
R404A	0-500 PPM	GG-R404A-500-ST	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	3.85 lbs	330 mA	-50°F	120°F
	0-3,000 PPM	GG-R404A-3000-ST	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	3.85 lbs	330 mA	-50°F	120°F
R407C	0-500 PPM	GG-R407C-500-ST	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	3.85 lbs	330 mA	-50°F	120°F
R407F	0-500 PPM	GG-R407F-500-ST	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	3.85 lbs	330 mA	-50°F	120°F
R448A	0-500 PPM	GG-R448A-500-ST	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	3.85 lbs	330 mA	-50°F	120°F
R507A	0-500 PPM	GG-R507A-500-ST	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	3.85 lbs	330 mA	-50°F	120°F
	0-1,000 PPM	GG-R507A-1000-ST	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	3.85 lbs	330 mA	-50°F	120°F
	0-3,000 PPM	GG-R507A-3000-ST	Infrared	N/A	< 90 sec	< 180 sec	+/- 2% FS	< 1% FS	< 1% FS	+/- 3%	3.85 lbs	330 mA	-50°F	120°F

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

FS=Full Scale

GG Gas Detector Specifications [DUCT MOUNT ENCLOSURE]

Target Gas	Range	Part #	Sensor Technology	Replacement Sensor	Response Time		Accuracy	Zero Drift / month	Span Drift / month	Linearity	Weight	Current Draw Max	Operating Temp	
					T50	T90							Min	Max
Ammonia (NH3)	0-100 PPM	GG-NH3-100-DM	SAFECELL® Electrochemical	GG-NH3-RC	< 30 sec	< 60 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%		350 mA	-50°F	122°F
	0-250 PPM	GG-NH3-250-DM	SAFECELL® Electrochemical	GG-NH3-RC	< 30 sec	< 60 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%		350 mA	-50°F	122°F
Carbon Dioxide (CO2)	0-3%	GG-CO2-3%-DM	Infrared	N/A	< 30 sec	< 60 sec	+/- 2%	<0.5% FS	< 1% FS	+/- 0.5%		350 mA	-60°F	120°F
	0-5%	GG-CO2-5%-DM	Infrared	N/A	< 30 sec	< 60 sec	+/- 2%	<0.5% FS	< 1% FS	+/- 0.5%		350 mA	-60°F	120°F
Carbon Monoxide (CO)	0-200 PPM	GG-CO-200-DM	Electrochemical	GG-CO-RC	< 30 sec	< 60 sec	+/- 5%	<0.1% FS	< 2% FS	+/- 0.5%		350 mA	-20°F	120°F
Hydrogen Sulfide (H2S)	0-50 PPM	GG-H2S-50-DM	Electrochemical	GG-H2S-RC	< 30 sec	< 120 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%		350 mA	0°F	120°F
Oxygen (O2)	0-25%	GG-O2-C0-DM	Electrochemical	GG-O2-C-RC	< 30 sec	< 60 sec	+/- 2%	< 0.5% FS	< 0.5% FS	+/- 0.5%		350 mA	-10°F	125°F
Ozone (O3)	0-1 PPM	GG-O3-A-1-DM	Electrochemical	GG-O3-A-RC	< 120 sec	< 180 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 1%		350 mA	0°F	120°F
Sulfur Dioxide (SO2)	0-20 PPM	GG-SO2-20-DM	Electrochemical	GG-SO2-RC	< 30 sec	< 90 sec	+/- 5%	<0.1% FS	< 3% FS	+/- 0.5%		350 mA	-40°F	122°F

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

FS=Full Scale