

GASMAX LX Gas Monitor

Loop-Powered Toxic Gas Monitor for Hazardous Locations
Ideal for Oxygen, Hydrogen Sulfide and Sulfur Dioxide Gases

- * Loop-powered (2-wire) supports intrinsically safe applications
- * Three-character display reads to 999 ppm depending on sensor
- * Three push buttons enable setup without magnetic wand
- * Magnetic switches allow for easy field setup and calibration
- * Power-up and post-calibration delays eliminate false alarms
- * Corrosion-resistant stainless steel sensor head
- * Highly visible aluminum enclosure
- * One-person calibration using common calibration gases
- * Designed for extreme conditions and harsh environments
- * Manufactured in USA

The GASMAX LX gas monitor is a two-wire loop-powered gas monitor for oxygen depletion and toxic gases, including hydrogen, hydrogen sulfide, carbon monoxide, sulfur dioxide, fluorine, chlorine and more. The output is an industry-standard 4-20mA loop signal usable by all GDS Corp controllers and other industry-standard PLCs, DCSs and other control devices.

Available Sensors

The GASMAX LX supports oxygen, carbon monoxide, chlorine, fluorine, hydrogen, hydrogen fluoride and sulfur dioxide sensors. Sensor replacement is easy and fast.

Non-Intrusive User Interface

The GASMAX LX features both push-buttons and non-intrusive magnetic switches that allow the user to initiate null (zero) and span calibrations using only a magnetic wand. To check or set the zero value, active the MENU function and use the ADD or SUB keys to set the proper value. Once complete, active the MENU function again to adjust the span value. With span gas applied, adjust the displayed reading to match the cal gas value using the ADD or SUB button.

Certifications

The GASMAX LX is certified with certain non-reactive-gas



sensors for use in hazardous areas and is ideal for power plants, refineries, tank farms, chemical plants, compressor stations, pipelines and other industrial installations where fixed gas detection is required for user safety and equipment protection.

Please contact GDS Corp to discuss application details or to obtain a quote for monitors or complete gas detection systems.



1245 Butler Road
League City, Texas 77573
409-927-2980 • 409-927-4180 (fax)
www.gdscorp.com • info@gdscorp.com

GASMAX LX SPECIFICATIONS	
Power Input	12-24VDC loop power (2-wire), 35 mA max current draw
Display	Three-character 7-segment display
User Interface	Three manual push buttons (Menu, Add, Sub) and three corresponding magnetic non-intrusive switches for setup in hazardous areas
Sensor Input	Electrochemical sensors only (see list)
Alarm Settings	None
Standard Output	Standard 2-wire loop interface, 4-20 mA during normal operation
Optional Relay Out	None
Optional Digital Out	None
Optional Radio	None
Temp	Electronics -40°C to +50°C; Limits may vary depending on sensor
Housing	Aluminum instrument housing, 303 Stainless Steel sensor housing
Dimensions	5.4" T x 6.0" W x 17" H (Max dimensions with attachments)
Certifications	QPS Component Certified Explosion-Proof (CO, H2S, O2 and SO2 Gases) Class I, Division 1, Groups C and D
Hardware Warranty	One-year limited warranty
Sensor Warranty	Varies with gas type (warranty subject to verification by GDS Corp)

GASMAX LX Order Guide	
GM/LX-SEN-RNG-OPT1 [SS][TAG][ISB][CAL]	
SEN	Select sensor type from list below: 10-42 Toxic Sensors
RNG	For available ranges see GDS Configurator
OPT1	0 = None 1 = Sensor Splash Guard 2 = Sensor Flow Cell
	[SS] = Stainless steel enclosure [TAG] = Stainless steel tag [ISB] = IS Barrier [CAL] = Ships with cal adapter

NOTES
Note 1: Units with sensors for reactive gases* are not certified for use in hazardous areas

AVAILABLE SENSORS		
10	Oxygen (O2), 0-25%	-30°C to +55°C
11	Carbon Monoxide (CO), 0-1000 ppm	-20°C to +50°C
12	Chlorine (CL2), 0-20 ppm*	-20°C to +50°C
15	Hydrogen Sulfide (H2S), 0-100 ppm	-20°C to +50°C
18	Hydrogen Fluoride (HF), 0-10 ppm*	-10°C to +40°C
19	Sulfur Dioxide (SO2), 0-20 ppm	-20°C to +50°C
20	Ammonia (NH3), 0-100 ppm*	-40°C to +40°C



1245 Butler Road
League City, Texas 77573
409-927-2980 • 409-927-4180 (fax)
www.gdscorp.com • info@gdscorp.com