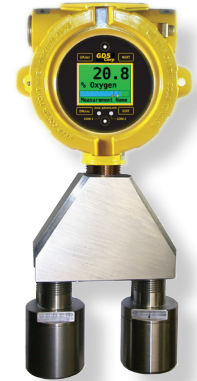


GASMAX CX Gas Monitor

Single / Dual Channel Toxic & Combustible Gas Monitor for Hazardous Locations

- * CSA Certified for Class I, Div 1 explosion-proof installations
- * Monitor any combination of toxic and combustible gases
- * High resolution color TFT display for easy recognition of alarm status
- * Supports both local and remote sensors for easy installation
- * Non-intrusive, prompted calibration with programmable cal value
- * Dual independent 4-20mA analog outputs with 0-4mA pass-through
- * Standard Ethernet port with built-in web server for remote access
- * Power-up and post-calibration delays eliminate false alarms
- * Backlit display for better visibility in low light conditions
- * Optional 4x SPDT alarm relays and dual MODBUS serial ports
- * Graphic display shows values, units, trend graph, alarm levels
- * Security settings allow user to lock critical parameters
- * Auto-recognition of Smart Sensors uploads calibration data & more
- * Fault supervision circuitry detects failed sensor & transmits warning
- * Setup in hazardous area requires only simple magnetic wand
- * Manufactured in USA



Shown with local stainless steel sensor head (left), locally-connected GDS-IR infrared sensor (above) and dual-local sensor mount (right)

GASMAX CX

The new GASMAX CX gas monitor from GDS Corp delivers quality, performance and advanced features for the most critical gas detection applications. Designed especially for situations where gas readings need to be transmitted in real time via a variety of communication options, the GASMAX CX includes dual 4-20mA outputs and built-in Ethernet port with MODBUS/TCP and web server. An optional output board includes 4X alarm relays and dual serial MODBUS channels with data rates up to 115k bits per second.

Widest Variety of Available Sensors

Built-in dual channel electronics allow

the GASMAX CX to support almost any combination of GDS Corp toxic, bridge or 4-20mA sensors. Channel 1 features a dedicated bridge input configuration for traditional direct catalytic bead sensors, and both channels support the new 10-98xx digital output low-noise sensors. Built-in sensor monitoring circuitry detects sensor faults or warns of missing sensors.

Advanced User Interface

The highly visible full color TFT backlit display makes the GASMAX CX gas monitor extremely easy to read and operate, and magnetic switches arranged around the screen allow users to perform calibrations or change settings without opening the enclosure. Bright flashing yellow or red alarm screens give users the ability to instantly recognize alarm conditions and take appropriate action.

Reliable, Dependable, Certified

The GASMAX CX carries a full two-year warranty and is fully CSA certified for use in Class I Division 1 hazardous areas.

GDS Corp

Gas and Flame Detection

2513 Hwy 646

Santa Fe, Texas 77510

409-927-2980 • 409-927-4180 (fax)

www.gdscorp.com • info@gdscorp.com

GASMAX CX SPECIFICATIONS	
Power Input	10-30VDC at < 10 watts with relay board (all relays energized)
Display	QVGA color TFT display with value, 30-minute trend and bargraph
Channel One Input	Digital sensor, bridge-style direct sensor or 4-20mA analog input
Channel Two Input	Digital sensor or 4-20mA analog input
Standard Output	Dual 3-wire 4-20mA current source. Max loop R is 600 ohms @ 24VDC Ethernet RJ-45 with built-in web page for remote access
Optional Outputs	Three programmable relays plus dedicated FAULT relay Dual programmable master / slave MODBUS RS-485 serial interfaces
Environmental	Operating range -40°C to +60°C Sensors include sensor heater for low temperature operation Relative humidity to 95% non-condensing with GDS-IR; to 85% non-condensing when using electrochemical sensors
Housing	Aluminum housing with epoxy paint standard; Optional #316 stainless steel housing (specify [SS] in part number)
Dimensions	Width 5.4" (137 mm), Height 8" (203 mm), Depth 5" (127 mm) Shipping weight 6.5 pounds (3 kg)
Approvals	CSA Certified for Class I, Div 1, Grps B, C, D.
Warranty	2 years on electronics and one year on sensors

AVAILABLE SENSOR TYPES				
	Electrochemical	31	Tetrahydrothiophene	112 Isobutane LEL
10	Oxygen	32	Diborane	113 Pentane LEL
11	Carbon Monoxide	33	Hydrogen Sulfide (LRH)	114 Cyclopentane LEL
12	Chlorine ⁶		SmartIR Infrared	115 n-Butane LEL
13	Chlorine Dioxide ⁶	50	Methane LEL	116 Ethanol LEL
14	Hydrogen	51	Propane LEL	117 Methanol LEL
15	Hydrogen Sulfide	52	Methane Vol	118 Propylene LEL
16	Hydrogen Cyanide	53	Carbon Dioxide	119 Ethylene LEL
17	Hydrogen Chloride ⁶		Photoionization (PID)	120 Hexane LEL
18	Hydrogen Fluoride ⁶	61	Low Range (10.6eV)	121 Jet-A LEL
19	Sulfur Dioxide	62	High Range (10.6eV)	122 Diesel LEL
20	Ammonia ⁶	64	Low Range (10.0 eV)	123 Gasoline LEL
21	Ozone ⁶	65	High Range (10.0 eV)	124 Isopropyl Alcohol LEL
22	Ethylene Oxide			125 Acetone LEL
23	Arsine		Catalytic Bead	126 p-Xylene LEL
24	Silane	70	Methane LEL	127 Ethylene Oxide LEL
25	Fluorine ⁶	71	Other (Specify) LEL	128 MEK LEL
26	Phosgene ⁶		Analog Input	129 Styrene LEL
27	Hydrazine	90	4-20mA Input	130 Methane Volume
28	Nitric Oxide		GDS-IR Infrared	131 Propane Volume
29	Nitrogen Dioxide	110	Methane LEL	132 Carbon Dioxide 0-5%
30	Mercaptan TBM	111	Propane LEL	133 Carbon Dioxide 0-3%



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GASMAX CX ORDER GUIDE	
GM CX A - B - C / D - E - F / G [SS]	
“A”	CH1 SENSOR HEAD ¹ 0 = None 1 = Local sensor head 2 = Local sensor head + splash guard 3 = Local sensor head for reactive gases 4 = Local sensor head + SG for reactive gases 9 = Local mount for GDS-IR 10 = Remote mount for GDS-IR
“B”	CH1 SENSOR TYPE 0 = None Types 10-33 Types 50-53 Types 61-65 Types 70-71 Type 90 Types 110-133
“C”	CH1 DETECTION RANGE ⁵ 1 = 0 - 1 5 = 0 - 50 2 = 0 - 5 6 = 0 - 100 3 = 0 - 10 7 = 0 - 500 4 = 0 - 25 8 = 0 - 1000 Custom RXXXX (0-9999) or 0 = None
“D”	CH2 SENSOR HEAD 0 = None 1 = Local sensor head 2 = Local sensor head + splash guard 3 = Local sensor head for reactive gases 4 = Local sensor head + SG for reactive gases 9 = Local mount for GDS-IR 10 = Remote mount for GDS-IR
“E”	CH2 SENSOR TYPE 0 = None Types 10-33 Type 90 Types 110-133
“F”	CH2 DETECTION RANGE ⁵ 1 = 0 - 1 5 = 0 - 50 2 = 0 - 5 6 = 0 - 100 3 = 0 - 10 7 = 0 - 500 4 = 0 - 25 8 = 0 - 1000 Custom RXXXX (0-9999) or 0 = None
“G”	OUTPUT OPTIONS 0 = Dual 4-20mA output plus Ethernet 1 = 4X alarm relays plus dual MODBUS serial

NOTES
Note 1: GASMAX CX not rated for use in hazardous area when used with Type 3 or Type 4 sensor head for reactive gases.
Note 5: Not all sensors are available in all ranges. Contact GDS Corp for details.
Note 6: Reactive gases require use of Type 3 or Type 4 sensor head without stainless steel flame arrestor