

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) and dual local sensor mount (above)

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

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

Toxic & Combustible Gas Detection • Controllers • Process Monitors • Calibration Supplies



www.siafa.com.ar
ventas@siafa.com.ar

011 4684 2232

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

TOXIC SENSORS	BRIDGE / mA SENSORS	114	Cyclopentane
10 Oxygen	50 SmartIR LEL (Methane)	115	n-Butane
11 Carbon Monoxide	51 SmartIR LEL (Propane)	116	Ethanol
12 Chlorine ⁶	52 SmartIR v/v (Methane)	117	Methanol
13 Chlorine Dioxide ⁶	53 SmartIR % CO2	118	Propylene
14 Hydrogen	61 PID Low (10.6eV)	118	Propylene
15 Hydrogen Sulfide	62 PID High (10.6eV)	119	Ethylene
16 Hydrogen Cyanide	64 PID Low (10.0 eV)	120	Hexane
17 Hydrogen Chloride ⁶	65 PID High (10.0 eV)	121	Jet-A
18 Hydrogen Fluoride ⁶	70 Catalytic Bead LEL (CH4)	122	Diesel
19 Sulfur Dioxide	71 Catalytic Bead LEL	123	Gasoline
20 Ammonia ⁶	90 4-20mA input	124	Isopropyl Alcohol
21 Ozone ⁶		125	Acetone
22 Ethylene Oxide		126	p-Xylene
23 Arsine		127	Ethylene Oxide (50%)
24 Silane	GDS-IR SENSORS (LEL)	128	MEK
25 Fluorine ⁶	105 Butanol	129	Styrene
26 Phosgene ⁶	106 Toluene	130	Methane v/v
27 Hydrazine	107 Isopropyl Acetate	131	Propane v/v
28 Nitric Oxide	108 Ethane	132	Carbon Dioxide (5%)
29 Nitrogen Dioxide	109 Acetylene	133	Carbon Dioxide (3.5%)
30 Mercaptan TBM	110 Methane	210	Methane (IR2)
31 Tetrahydrothiophene	1HT Methane (Temp = 90C)	211	Propane (IR2)
32 Diborane	111 Propane		
33 Hydrogen Sulfide	112 Isobutane		
34 Phosphine	113 Pentane		

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 5 = Remote sensor head 6 = Remote sensor head + splash guard 10 = Remote mount for GDS-IR 24 = Remote sensor transmitter 25 = Remote sensor transmitter + splash guard 26 = Remote sensor transmitter for reactive gases 27 = Remote ST for reactive gases + splash guard
"B"	CH1 SENSOR TYPE (See GDS Corp Product Configurator)
"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 24 = Remote sensor transmitter 25 = Remote sensor transmitter + splash guard 26 = Remote sensor transmitter for reactive gases 27 = Remote ST for reactive gases + splash guard
"E"	CH2 SENSOR TYPE (See GDS Corp Product Configurator)
"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