GASMAX/SSM Gas Monitor

Single Channel Ambient Gas Monitor with Strobe and Horn for Non-Hazardous Areas

✸ Supports single local or remote sensor located up to 100' away

✸ +12-35VDC or 110/220 VAC with cord grip and AC power cable

✸ Supports any toxic, PID, infrared or combustible sensor

✸ Operating temp range -40ºC to +70ºC (subject to sensor limits)

✸ Surge protection on sensor inputs and analog / Modbus outputs

✸ 102 x 64 Pixel Display and Alarm LEDs per sensor channel

✸ Three Push-Button User Interface per sensor channel

✸ Red, Amber, Blue or Tri-Color highly visible top-mounted Strobe

✸ Dual tone Buzzer mounted on bottom of enclosure

✸ Individual 4-20mA and FAULT outputs per sensor channel

✸ Two user-programmable alarm levels per sensor channel

✸ Individual RS-485 MODBUS serial output per sensor channel

✸ Manufactured in USA

The GDS Corp **GASMAX SSM** single-channel gas monitor supports a single local or remote sensor for hazardous toxic gases or a wide range of dangerous volatile organic compounds (VOCs). Sensors can be mounted locally or up to 100' away.

The **GASMAX SSM** supports a single local or remote sensor that can be configured for any GDS Corp sensor type. The monitor has a dedicated fault output, an analog 4-20mA and a digital RS-485 serial output. There are two user-programmable alarm setpoints with front-panel LED alarm indicators.

The **GASMAX SSM** includes a standard top-mounted red, amber, blue or tri-color strobe and bottom-mounted dual-tone buzzer.

The **GASMAX SSM** also includes a standard sensor splashguard fitting.

When configured for Remote Sensors, the **GASMAX SSM** ships with a remote sensor assembly and specified length cable.

Please contact your local GDS Corp representative for more information on the GDS Corp **GASMAX SSM** single channel gas monitor.
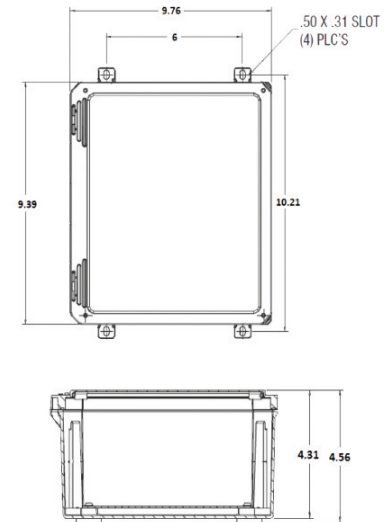
Toxic & Combustible Gas Detection • Controllers • Process Monitors • Calibration Supplies

GASMAX SSM SPECIFICATIONS

Power Input	Select +12-35VDC or 110/220VAC DC input includes cable and battery clips AC input includes 6' cord, cord grip and AC plug
Protection	Power Electromagnetic Interference Filter (RFI) 4-20mA Input Surge Suppression RS-485 and RS-232 Output Surge Suppression
Sensor Input	Any electrochemical sensor, PID sensor, infrared sensors or catalytic bead sensor in non-hazardous areas. Sensors can be installed locally or remotely
Display	102x64 resolution graphical LCD screens (one per sensor) Transflective (sunlight readable) with LED backlight
User Interface	Three manual push buttons (Menu, Add, Sub) (one set per sensor)
Alarm Settings	Two user-programmable LED alarm setpoints per channel
Standard Output	Analog industry-standard 4-20mA output (one per sensor) Fault output (one per sensor)
Relay Out	Two dedicated 5A alarm relays with 4A replaceable fuses
Digital Out	Two RS-485 serial outputs (one per sensor)
Visual Alarm	Red, Amber, Blue or Tri-Color Strobe Light
Audble Alarm	Miniature dual-tone buzzer
Optional Radio	None
Temp	-40C to +70C operating range (subject to sensor limitations)
Housing	NEMA 4X enclosure with clear window
Dimensions	8" T x 8" W x 4" Deep
Certifications	For use in non-hazardous areas only
Hardware Warranty	One-year limited warranty

GASMAX SSM Order Guide

GM/SSM-HEAD-LEN-SEN-RNG-OPT1-OPT2-OPT3 [TAG][CAL]

HEAD	1 = Local sensor 2 = Remote electrochemical sensor 3 = Remote infrared sensor 4 = Remote PID sensor
LEN	Max length determined by sensor type: Electrochemical sensors up to 100' Infrared sensors up to 40' PID sensors up to 30'
SEN	Select sensor type from list below: 10-42 Toxic Sensors 50-53 Infrared Sensors 61-64 Photoionization Sensors (PID)
RNG	For available ranges see GDS Configurator
OPT1	1 = Red Strobe 2 = Amber Strobe 3 = Blue Strobe 4 = Tri-Color (Steady Green)
OPT2	1 = Audio Alarm 102 dB, Dual Tone
OPT3	1 = +12-35VDC IN with cable + battery clips 2 = 110/220VAC IN with cord grip and 6' plug
	[TAG] = Stainless steel tag [CAL] = Ships with cal adapter

EC SENSORS		EC SENSORS	
10	Oxygen (O2), 0-25%	40	Hydrogen Sulfide (H2S), 0-2000 ppm
11	Carbon Monoxide (CO), 0-1000 ppm	41	Ammonia (NH3), 0-300 ppm*
12	Chlorine (CL2), 0-20 ppm*	42	Ammonia (NH3), 0-1000 ppm*
13	Chlorine Dioxide (CLO2), 0-5.0 ppm		
14	Hydrogen (H2), 0-4% by volume	**INFRARED SENSORS**	
15	Hydrogen Sulfide (H2S), 0-100 ppm	50	Methane (CH4), 0-100% LEL (IR)
16	Hydrogen Cyanide (HCN), 0-50 ppm	51	Methane (CH4), 0-100% v/v (IR)
17	Hydrogen Chloride (HCL), 0-30 ppm	53	Carbon Dioxide (CO2), 0-4% v/v (IR)
18	Hydrogen Fluoride (HF), 0-10 ppm		
19	Sulfur Dioxide (SO2), 0-20 ppm	**PID SENSORS**	
20	Ammonia (NH3), 0-100 ppm	61	PID (10.6eV) Low Range
21	Ozone (O3), 0-5 ppm	62	PID (10.6eV) High Range
22	Ethylene Oxide (ETO), 0-10 ppm	63	PID (10.0eV) Low Range
28	Nitric Oxide (NO), 0-250 ppm	64	PID (11.7eV) High Range
25	Nitrogen Dioxide, (NO2), 0-20 ppm		
35	Formaldehyde (CH2O), 0-10 ppm		
36	Phosphine (PH3), 0-5.0 ppm		

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