

# GASMAX QSM Gas Monitor

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

- \* Supports 4 local or remote sensors located up to 100' away
- \* Built-in AC power supply with 6-foot cord for easy installation
- \* Supports any combination of toxic, PID, combustible or IR sensors
- \* Operating temp range -40°C to +70°C (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 channel with LED
- \* Individual RS-485 MODBUS serial outputs per sensor channel
- \* Manufactured in USA



The GDS Corp **GASMAX QSM** quad-channel gas monitor supports up to four local or remote sensors for hazardous toxic or combustible gases or a wide range of dangerous volatile organic compounds (VOCs). Sensors can be mounted locally or remotely.

The **GASMAX QSM** consists of four independent sensors and associated sensor electronics assemblies that can be configured for any GDS Corp sensor type. Each sensor assembly has independent fault, analog 4-20mA and digital RS-

485 serial outputs and two user-programmable alarm setpoints with front-panel LED alarm indicators.

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

Please contact your local GDS Corp representative for more information on the GDS Corp **GASMAX QSM** quad-channel gas monitor.



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GASMAX QSM SPECIFICATIONS	
<b>Power Input</b>	Power Input 100-240 VAC or +12-35 VDC
<b>Protection</b>	Power Electromagnetic Interference Filter (RFI) 4-20mA Input Surge Suppression RS-485 and RS-232 Output Surge Suppression
<b>Sensor Input</b>	Any combination of up to four electrochemical sensors, PID sensors, infrared sensors or catalytic bead sensors in non-hazardous areas. Sensors can be installed locally or remotely
<b>Display</b>	102x64 resolution graphical LCD screens (one per sensor) Transflective (sunlight readable) with LED backlight
<b>User Interface</b>	Three manual push buttons (Menu, Add, Sub) (one set per sensor)
<b>Alarm Settings</b>	Two user-programmable LED alarm setpoints per channel
<b>Standard Output</b>	Analog industry-standard 4-20mA output (one per sensor) Fault output (one per sensor)
<b>Relay Out</b>	None
<b>Digital Out</b>	Four RS-485 serial outputs (one per sensor)
<b>Visual Alarm</b>	Red, Amber, Blue or Tri-Color Strobe Light
<b>Audible Alarm</b>	Miniature dual-tone buzzer
<b>Optional Radio</b>	None
<b>Temp</b>	-40C to +70C operating range (subject to sensor limitations)
<b>Housing</b>	NEMA Class I, 4, 4X and 6 Fiberglass Enclosure with Clear Lid - IP66, UL508 and UL 746C (f1) Rated
<b>Dimensions</b>	17 5/16" T x 10 1/16" W x 6 5/16" Deep 11 lbs
<b>Certifications</b>	For use in non-hazardous areas only
<b>Hardware Warranty</b>	One-year limited warranty

GASMAX QSM Order Guide	
GM/QSM-HEAD1-LEN1-SEN1-RNG1 / HEAD2-LEN2-SEN2-RNG2 / HEAD3-LEN3-SEN3-RNG3 / HEAD4-LEN4-SEN4-RNG4 / OPT1 - OPT2	
<b>HEADx</b>	1 = Local sensor 2 = Remote electrochemical sensor 3 = Remote infrared sensor 4 = Remote PID sensor
<b>LENx</b>	Max length determined by sensor type: Electrochemical sensors up to 100' Infrared sensors up to 40' PID sensors up to 30'
<b>SENx</b>	Select sensor type from list below: 10-42 Toxic Sensors 50-53 Infrared Sensors 61-64 Photoionization Sensors (PID)
<b>RNGx</b>	For available ranges see GDS Configurator
<b>OPT1</b>	1 = Red Strobe 2 = Amber Strobe 3 = Blue Strobe 4 = Tri-Color Strobe (Green, Fl Red, Fl Amber)
<b>OPT2</b>	1 = Audio Alarm 102 dB, Dual Tone
<b>[TAG]</b>	Includes stainless steel tag
<b>[CAL]</b>	Ships with calibration cup

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	<b>INFRARED SENSORS</b>	
15	Hydrogen Sulfide (H2S), 0-100 ppm	50	Methane 0-100% LEL (IR)
16	Hydrogen Cyanide (HCN), 0-50 ppm	51	Methane 0-100% by volume (IR)
17	Hydrogen Chloride (HCL), 0-30 ppm	53	Carbon Dioxide 0-4% by volume (IR)
18	Hydrogen Fluoride (HF), 0-10 ppm		
19	Sulfur Dioxide (SO2), 0-20 ppm	<b>PID SENSORS</b>	
20	Ammonia (NH3), 0-100 ppm	61	PID Isobutylene (10.6eV) Low Range
21	Ozone (O3), 0-5 ppm	62	PID Isobutylene (10.6eV) High Range
22	Ethylene Oxide (ETO), 0-10 ppm	64	PID Isobutylene (10.0eV) Low Range
28	Nitric Oxide (NO), 0-250 ppm	65	PID Isobutylene (11.7eV) Low Range
29	Nitrogen Dioxide, (NO2), 0-20 ppm		
35	Formaldehyde (CH2O), 0-10 ppm		
36	Phosphine (PH3), 0-5.0 ppm		



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