

GASMAX DSM Gas Monitor

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

- * Supports 2 local or remote sensors 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 sensor channel
- * Individual RS-485 MODBUS serial output per sensor channel
- * Manufactured in USA



The GDS Corp **GASMAX DSM** dual-channel gas monitor supports two 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 DSM** consists of two 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 DSM** 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 DSM** dual-channel gas monitor.

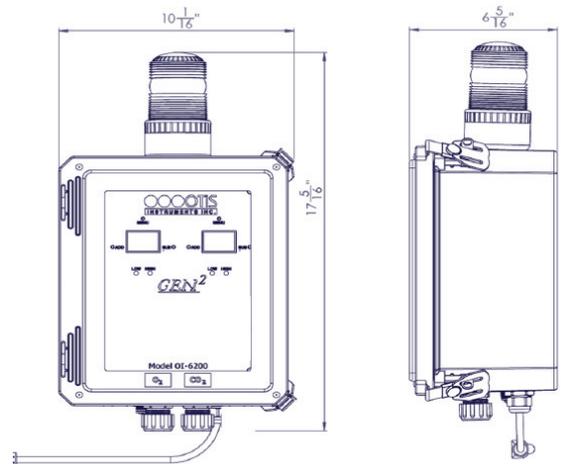


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GASMAX DSM SPECIFICATIONS	
Power Input	Power Input 100-240 VAC or +12-35 VDC
Protection	Power Electromagnetic Interference Filter (RFI) 4-20mA Input Surge Suppression RS-485 and RS-232 Output Surge Suppression
Sensor Input	Any combination of two electrochemical sensors, PID sensors, infrared sensors or catalytic bead sensors 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	None
Digital Out	Two RS-485 serial outputs (one per sensor)
Visual Alarm	Red, Amber, Blue or Tri-Color Strobe Light
Audible Alarm	Miniature dual-tone buzzer
Optional Radio	None
Temp	-40C to +70C operating range (subject to sensor limitations)
Housing	NEMA Class I, 4, 4X and 6 Fiberglass Enclosure with Clear Lid - IP66, UL508 and UL 746C (f1) Rated
Dimensions	17 5/16" T x 10 1/16" W x 6 5/16" Deep 11 lbs
Certifications	For use in non-hazardous areas only
Hardware Warranty	One-year limited warranty

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