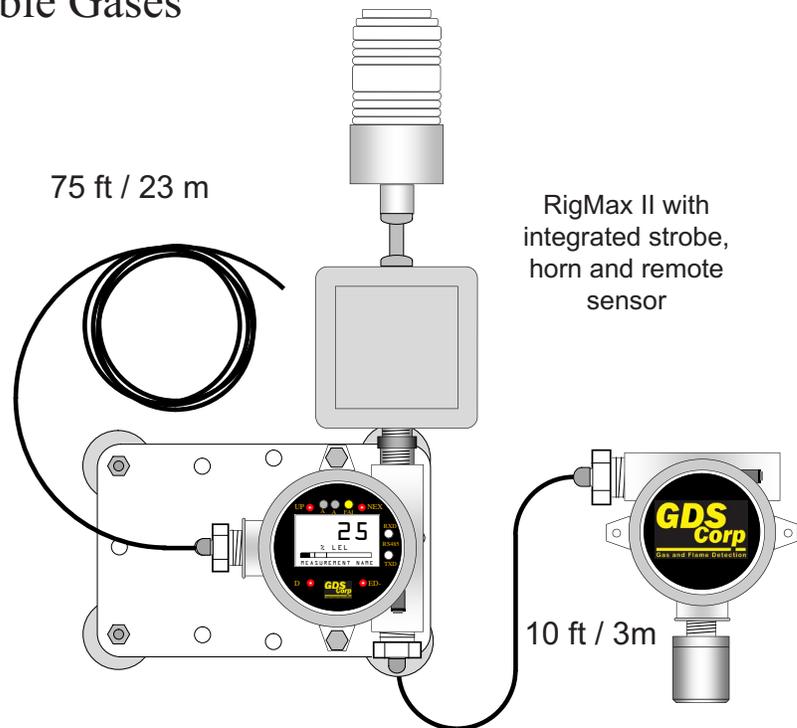


# RigMAX II Gas Monitor

Preliminary

## Single Channel Gas Monitor with Integrated Strobe & Horn for H<sub>2</sub>S, Toxic and Combustible Gases

- \* Robust, highly reliable single-point monitor for Hydrogen Sulfide
- \* Integrated warning strobe and 99 dB horn provide quick response
- \* Local or remote sensor with optional high visibility stand
- \* Four-point magnetic mount makes installation quick and easy
- \* Easy-to-use prompted calibration for rapid setup and commissioning
- \* Fault supervision circuitry detects failed or missing sensor element
- \* Backlit display for better visibility at night or in low light conditions
- \* Security software lock prevents tampering or resetting alarms
- \* Automatic recognition of GDS Corp Smart Sensors
- \* Built-in Event Log records alarms, power cycles and calibrations
- \* Includes 100 ft #18GA neoprene power cable wth flying leads
- \* Remote sensor includes jbox, cable glands and 10' neoprene cable
- \* Manufactured in USA



The RigMAX II is a single point, highly reliable and easily-deployed toxic or combustible gas monitor designed especially for onshore petrochemical monitoring applications. Based on the GASMAX family of gas monitors widely used in onshore and offshore applications worldwide, the RigMAX II combines a gas monitor, local or remote sensor, warning strobe, horn sounder and 75 ft power cable into one convenient package. Powered by 24VDC, the RigMAX II includes a magnetic mounting plate that makes installation a snap on any metal vertical surface. In addition, the plate is pre-drilled to support 1 1/2" pole mount U-bolt hardware or standard through-bolts.

### Intuitive User Interface

The backlit LCD and highly visible LEDs display alarm status and real-time gas

values or 30-minute trend data while an event log stores time-stamped calibration and alarm events for later review. An intuitive menu-driven operator interface (no blinking LEDs!) and built-in, text-prompted calibration procedure makes it easy to keep the RigMAX II operating at peak efficiency.

### Flexibility

The RigMAX II supports a wide range of toxic sensors, including Hydrogen Sulfide, Sulfur Dioxide, Hydrogen, Hydrogen Cyanide and many more, including an Hydrogen Sulfide sensor designed specifically for low humidity applications. The RigMAX II can also be configured for infrared or catalytic bead sensors to detect a wide range of combustibles. A selection of red, amber, blue or purple strobes are available for rapid recognition of any gas emergency, and the horn can be programmed to provide a range of unique warning tones.

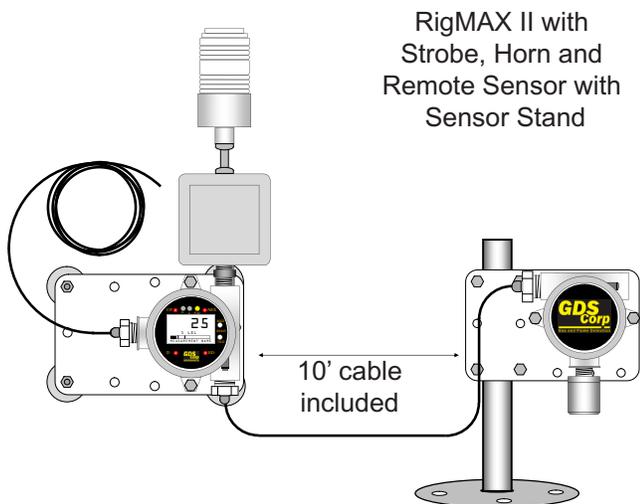
The RigMAX II is a convenient and easy solution for toxic gas monitoring in rough field conditions where reliability and rapid installation are critically important.



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<b>RIGMAX II SPECIFICATIONS</b>	
<b>Power Input</b>	+24VDC ± 10% at less than 10 watts
<b>Display</b>	GASMAX II gas monitor with backlit 64 x 128 pixel LCD with 30-minute trend, bargraph and engineering units. Alarm LEDs show Alarm 1, Alarm 2 and Fault.
<b>Sensor Input</b>	Local or remote toxic sensor for oxygen, carbon monoxide, chlorine, hydrogen, hydrogen sulfide, sulfur dioxide, ammonia and mercaptan. Catalytic bead sensor for detection of combustible levels of hydrocarbons or hydrogen Photoionization detector (PID) for detection of benzene, toluene and other volatile organic compounds in low ppm levels.
<b>Output</b>	Alarm 1 Output: High visibility 24V strobe in red, amber, blue or purple. Sixty to 80 flashes per minute; 10,000 hour strobe lamp; 1.9 joules / flash; 190,000 candlepower. Alarm 2 Output: Horn sounder, 91-97 dB at 10 feet. Eight user-selectable tones: horn, chime, siren, slow whoop, temporal, hi-lo and single stroke bell.
<b>Temp</b>	-10°C to +50°C operating range
<b>Housing</b>	Aluminum housing with epoxy paint standard; Optional #316 stainless steel housing (specify [SS] in part number)
<b>Mounting</b>	Four-point magnetic mount designed for flat surface. Mounting plate drilled for 2" pole mount and standard through-bolts
<b>Dimensions</b>	Local Sensor: Width 11" (280 mm), Height 18" (457 mm), Depth 5" (127 mm) Shipping weight 9 pounds (3 kg)
<b>Approvals</b>	GASMAX CSA Certified for Class I, Div 1, Grps B, C, D. Optional Class 1 Div 2 rated strobes Horn sounder not for use in hazardous areas
<b>Warranty</b>	2 years on electronics and one year on sensors

<b>RIGMAX II Order Guide</b>	
<b>RM II A - B - C / D - E - F / G [SS][TAG]</b>	
<b>"A"</b>	<b>SENSOR HEAD</b> <sup>2</sup> 1 = Local sensor 2 = Local sensor + splash guard 3 = Local sensor for reactive gases 4 = Local sensor + splash guard for reactive gases 24 = Remote sensor transmitter 25 = Remote sensor transmitter + splash guard 26 = Remote sensor trans. for reactive gases 27 = Rmt sen trans.+ splash guard for react. gases
<b>"B"</b>	<b>SENSOR TYPE</b> 10 = Oxygen, 0-25% by volume 11 = Carbon Monoxide 12 = Chlorine <sup>1</sup> 14 = Hydrogen 15 = Hydrogen Sulfide 19 = Sulfur Dioxide 20 = Ammonia <sup>1</sup> 30 = Mercaptan TBM 33 = Hydrogen Sulfide 50 = SmartIR Methane 51 = SmartIR Propane 53 = SmartIR Carbon Dioxide 61 = PID for VOC 70 = Catalytic Bead (Combustibles)
<b>"C"</b>	<b>DETECTION RANGE</b> 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)
<b>"D"</b>	<b>STROBE OPTIONS</b> 1 = Red Strobe (not rated) 2 = Amber Strobe (not rated) 3 = Blue Strobe (not rated) 4 = Purple Strobe (not rated) 5 = Red Strobe (C1 D2) 6 = Amber Strobe (C1 D2) 7 = Blue Strobe (C1 D2) 8 = Purple Strobe (C1 D2)
<b>"E"</b>	<b>HORN OPTIONS</b> 0 = No Horn 1 = 12/24V Multi-tone horn
<b>"F"</b>	<b>POWER CABLE</b> 1 = Two-wire 75' power cable 2 = Extended 150' power cable 3 = Three-wire 75' power cable with 4-20mA out 4 = Extended 150' power cable with 4-20mA out
<b>"G"</b>	<b>PIPE STAND</b> <sup>3</sup> 0 = No sensor stand 1 = High visibility 24" tall pipe stand in yellow with mounting plate and hardware.
<b>"H"</b>	<b>SENSOR TEMPERATURE RANGE</b> 1 = Standard -10°C to +50°C Operating 2 = Extended -40°C to +50°C Operating



<b>NOTES</b>	
Note 1: Certain highly reactive target gases require sensor heads for reactive gases	
Note 2: Splash guard recommended for outdoor applications	
Note 3: Sensor stand 24" tall with 12" dia base in high visibility yellow. Includes mounting plate and hardware. Can be used to support RigMAX II or remote sensor.	