The GASMAX EC single channel gas monitor for toxic or oxygen deficiency applications delivers the latest in loop-powered gas detection technology, reliability and ease of use.

**Wide Variety of Available Sensors**
The GASMAX EC support all GDS Corp toxic sensors, including oxygen, hydrogen sulfide, chlorine, carbon monoxide and more. In addition, GDS Corp Smart Sensors enhance this capability by maintaining their own record of serial number, born-on date, initial calibration values, engineering units and more. Using this information, the GASMAX EC constantly tracks sensor performance and calculates an estimate of sensor life remaining. Built-in fault detection circuitry constantly monitors the sensor for correct operation. An internal real-time clock and event log time-stamp up to 300 calibration and alarm events for later review. Taking advantage of the high-resolution graphic display, an easy-to-use menu-driven operator interface using magnetic keys eliminates all analog potentiometers and allows complete setup and calibration without hazardous area declassification.

Three operational levels of security allow the GASMAX EC to be fully field configurable, partially restricted or completely restricted by way of user ID and access code.

**Explosion-Proof or Intrinsically Safe**
The GASMAX EC is CSA certified for use in Div 1 & Div 2 hazardous areas and can be installed as Explosion Proof or Intrinsically Safe using appropriate wiring techniques and an Intrinsically Safe barrier. See notes on IS installation on back.

An ATEX certified version for XP installations is also available.
GASMAX EC SPECIFICATIONS

<table>
<thead>
<tr>
<th>Power Input</th>
<th>10-30VDC at less than 0.75 watts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display</td>
<td>64 x 128 pixel LCD with 30-minute trend, bargraph and engineering units display.</td>
</tr>
<tr>
<td>Input</td>
<td>Accepts microamp-level signals from local or remote GDS Corp toxic or oxygen deficiency sensors</td>
</tr>
<tr>
<td>Accuracy</td>
<td>+/- 5% of full scale range (typical)</td>
</tr>
<tr>
<td>Standard Output</td>
<td>Standard 2-wire 4-20mA current sink output. Max loop R is 600 ohms with nominal 24VDC power supply.</td>
</tr>
<tr>
<td>Temp</td>
<td>Electronics -40°C to +60°C. See Echem Sensor Manual for additional information</td>
</tr>
<tr>
<td>Housing</td>
<td>Aluminum housing with epoxy paint standard; #316 stainless steel optional</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Width 5.4” (137 mm), Height 8” (203 mm), Depth 5” (127 mm) Shipping weight 6.5 pounds (3 kg)</td>
</tr>
<tr>
<td>Approvals</td>
<td>CSA Certified Div 1 &amp; 2 Groups B, C, D. Suitable for explosion-proof installations CSA Certified Div 1 &amp; 2 Groups A, B, C, D. Intrinsically safe. IMPORTANT: Intrinsically Safe installations require IS barrier #10-0263 (MTL 7787P+) or equivalent. ATEX Certified EX II 2 G EEx d IIB + H2 T5</td>
</tr>
<tr>
<td>Warranty</td>
<td>Two years on electronics and one year on sensors.</td>
</tr>
</tbody>
</table>

GASMAX EC Order Guide

GM EC A - B - C [SS] [TAG]

“A” SENSOR HEAD
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 1,2 
6 = Remote sensor head + splash guard 1,2 
7 = Remote sensor for reactive gases 1,2 
8 = Remote sensor head + SG for reactive gases 1,2

“B” SENSOR TYPE
See GDS Corp Product Configurator for allowable sensor types

“C” DETECTION RANGE
1 = 0 - 1 
2 = 0 - 5 
3 = 0 - 10 
4 = 0 - 25 
5 = 0 - 50 
6 = 0 - 100 
7 = 0 - 500 
8 = 0 - 1000 
Custom RXXXXX (0-9999)

[SS] = Stainless steel enclosure [TAG] = Stainless steel tag

Intrinsically Safe Installations

Certain highly reactive gases (see Note 6 above) require special sensor heads and Intrinsically Safe (IS) installation in hazardous locations. Intrinsically Safe equipment is defined as “equipment which is incapable of releasing sufficient electrical or thermal energy under normal or abnormal conditions to cause ignition of a specific hazardous atmospheric mixture in its most easily ignited concentration.” IS installations require an IS barrier (#10-0263 MTL 7787P+) or equivalent that must be mounted in an area designated as Non-hazardous.

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NOTES

Note 1: Remote sensor installations do not utilize Smart Sensor interface

Note 2: Maximum distance for remote e-chem sensor connection is 15ft (3m).

Note 5: Standard ranges shown; contact factory for additional ranges

Note 6: Highly reactive gases require type 3.4, 7 or 8 sensor head