

## SPECIFICATIONS

**Dimensions:** Detector Head 5"L x 2"W  
EXMO, SLAM & COMO(each) 6"L x 3.5"W x 2"H

**Shipping Weight:** Detector Head .875 lbs (.4 kg)  
EXMO, SLAM & COMO (each) 1.25 lbs (.6 kg)

**Power:** Detector Head 77 mA max  
EXMO 16mA max  
SLAM 56 mA max  
COMO 35 mA max

**Operating Voltage:** Nominally 12-42 VDC

**Output Signal:** Range 4-20mA or 1-5 mA  
(user selectable, 4 - 20mA is default).

Modbus RTU available as an option.

Output is linear and proportional to the gas scale.

Load (maximum resistance) 300 Ohms

**Measurement Ranges:** ppm according to toxic gas  
electrochemical cell and % by volume for oxygen.

**Temperature Range:**

Cell Storage: +32°F (0°C) to +68°F (+20°C)

The detector head: (depending upon cell installed)  
-20°C (-4°F) to +70°C (+158°F)

The EXMO/SLAM/COMO:

-20°C (-4°F) to +60°C (+140°F)

**Pressure:** The operating pressure range for toxic  
cells is normally ambient +/-10%

**Mean Time Between Failures (MTBF@70F):**

8 years (electronics)

**SLAM Relays:** 6 amps @ 120 volts

**SLAM Response Time:**

Less than a second from the time the detector head  
sees sufficient gas to trigger an alarm to the relay  
operating.

**EXMO Response Time:**

Less than a second from the time the detector head  
sees gas to the EXMO displaying that gas  
concentration.

**Detector Head RFI/EMI Immunity:**

Less than 1% of full scale change with 5w transceiver  
keyed within three feet. RFI/EMI Protection complies  
with EN50270, EN61000-6-4, ISA/IEC 6001-4-3

**Area Hazard Classification:**

Class I, Divisions 1 & 2, Groups C, D

**SIL (Safety Integrity Level):** SIL 2

**Warranty:** Detector Head, SLAM, EXMO and COMO:  
two years from date of shipment.

Cell: one year from date of shipment.

A business exists  
for one primary reason:  
to create and maintain  
customers.

In order to create and maintain  
customers a business must meet  
customer expectations concerning  
product, price, delivery and service.  
Our goal is to exceed our customers'  
expectations and to provide superior  
value in all these areas.

We are committed to producing  
safe, effective and reliable products  
that perform as advertised. These  
products are subject to continuous  
review, inspection and improvement  
and satisfy the health, safety and  
environmental needs of our  
customers and their employees.

Delphian views every sale as a  
partnership. We consider the  
purchase of our products to be a  
matter of trust and commitment  
between us and our customers.



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GazTell Toxic & Oxygen

GazTell

Fixed Point Long-Life  
Electrochemical  
Toxic & Oxygen  
GAS MONITORS

**Hassle free safety:**

- Simple to use and install
- Shock & vibration resistant
- Low power consumption
- Checks itself every second
  - Plain English displays
    - Tough
    - Reliable
  - Affordable
  - Accurate



## OPTIONAL SLAM Remote Relay Module

- Set alarm levels without software, using simple jumper selection.
- The module can be placed anywhere relays are needed.
- Flexible design allows the relays to be placed next to the functions they operate.
- The relay module has robust relays rated at 6 amp@120 volt relays for Fail, Low and High Alarms, so auxiliary relays are often not needed. Alarm relays can be latching or non-latching, energized or de-energized, normally open or closed. A 5 second alarm delay can be turned on to avoid false alarms.
- FM Approvals tested the SLAM module for operation at -4°F to 140°F (-20°C to +60°C).



### ACCESSORIES:

#### Optional:

- COMO Modbus Communications Module
- Stand-Alone Wall Mount Kit
- Splash/Wind Guard
- Ported Adaptor
- Reclamation Adaptor
- Lightning Arrestor
- Collection Cone
- Wye Pipe Adaptor
- Heat Shield
- Duct Mounting Plate

## THE DETECTOR HEAD

The GazTell detector head for electrochemical cells can be used alone or with the optional modules.

- The small size (5"L x 2"W) makes it inconspicuous and allows placement in tight areas.
- User-friendly, alpha-numeric LED display with understandable instructions and prompts.
- Automatically recognizes the sensor cell with no configuration necessary.
- Scrolls gas type every few seconds.
- Low maintenance and low cost of ownership. The detector head logs and will display the last time it was calibrated.
- Connects directly to conduit eliminating the need for expensive and bulky junction boxes.
- Smart Sensor saves operator time and money. The sensor knows the highest reading since last calibration, the number of days since last calibration, how long the detector head has been in service, the percentage of life remaining in the sensor and highest/lowest temperatures observed during operation. It checks itself and its vital functions continuously.
- Power consumption is very low. Even at its maximum power consumption (with the display at its brightest), the detector head uses only 77mA @ 24VDC.



### AVAILABLE FOR:

- Ammonia
- Carbon Monoxide
- Chlorine
- Hydrogen Cyanide
- Hydrogen Sulfide
- Nitrogen Dioxide
- Oxygen
- Sulfur Dioxide

and others

## OPTIONAL EXMO Remote Display Module

The EXMO communicates directly with the detector head and mimics its display. If the detector head is located remotely high or low, or in a difficult-to-calibrate place, locating the EXMO in an accessible position gives immediate access to the detector head's sensor. It displays everything the detector head displays. It gives control via bi-directional RS-485 communication.

**Remote calibration has never been so easy.** The small extension module has the same alpha numeric LED displays and color coded operation as the remotely placed detector head.

- Check the sensor before entering a dangerous area.
- Take the sensor online or offline
- Calibrate
- Cancel calibration



Receive Del•Seal thread sealant, a magnetic calibrator and a 78-page comprehensive Owners Manual at no extra charge with each shipment that includes a detector head.

**GazTell is a modular system: only pay for what you need**