

# TEXAS ANALYTICAL CONTROLS, INC.

## H<sub>2</sub>S & H<sub>2</sub>O PROCESS ANALYZER

### XLE/106/111



#### **H<sub>2</sub>S & H<sub>2</sub>O MONITORING MADE SIMPLE**

**Choose Texas Analytical Controls for Reliable, Economical H<sub>2</sub>S Monitoring**

With two H<sub>2</sub>S sensors, the TAC monitor is your first choice for reliable H<sub>2</sub>S & H<sub>2</sub>O monitoring in the field. If the output of one H<sub>2</sub>S sensor fails, you can easily disable it. The monitor will continue to operate reliably, assuring you of consistent H<sub>2</sub>S detection over time.

#### **EASY TO OPERATE AND MAINTAIN**

The TAC monitor outshines the competition when it comes to ease of operation and maintenance.

The H<sub>2</sub>S Sensors typically last a full year and can be changed in just a few minutes. The H<sub>2</sub>O sensor typically lasts 2 years and is also very easy to change.

The H<sub>2</sub>S Calibration is simple and can be done in less than six minutes. Calibration can be set up to occur automatically, reducing the time required in the field, or can be set up to perform manually.

The H<sub>2</sub>O portion is factory calibrated with no field calibration required.

#### **FULL TECHNICAL SUPPORT**

You'll find the monitor easy to maintain yourself, with technical support available by phone or from our field technicians.

#### **FEATURES OF THE XLE/102/111**

**Front Loading Sensor:** Enables operator to easily change the H<sub>2</sub>S sensors by removing a single thumbscrew.

**Sensor Weak Alert:** An alert shows when the H<sub>2</sub>S sensors are 75% used.

**Flow Fail Alarm Alert:** An alert is displayed if the regulators or the flow meter are not working correctly and the sample to the analyzer is obstructed.

**Data Backup:** Historical Calibration and Alarm Data saved onto SD Chip:

#### **SPECIFICATIONS OF THE XLE/102/111**

**H<sub>2</sub>S Range:** 0-10, 25, 50 and 100 PPM.  
Percent (%) level also available.

(Customer to specify a range)

**H<sub>2</sub>O Range:** 0-10, 0-20 LBS (other ranges available)

**H<sub>2</sub>S Sensor:** Electro-chemical (Estimated life: 1 year)

**H<sub>2</sub>O Sensor:** Thermoset Polymer Sensor  
(Estimated life: 2 Years)

**Automatic Calibration:** Our auto-cal/solenoid valve enables you to set up automatic calibration at a specific date and time. An LED indicator on the front panel tells you when the analyzer is in calibration mode.

**Communications Output:** 4-20mA Self-powered  
4-20mA Loop-powered  
1-5 VDC

Modbus via RTU or TCP/IP

**Power Input:** 110/220 VAC, 12VDC, or 24 VDC

**Sample Input Pressure:** Inlet 10 +/-2 PSIG

**Response Time:** <60 Seconds

**Instrument Accuracy:** +/-5 percent of the full scale

**Instrument Repeatability:** +/-2 percent

**Current Draw:** < 1 A

**Operating Temperature:** -20°C-50°C; -40°F-122°F

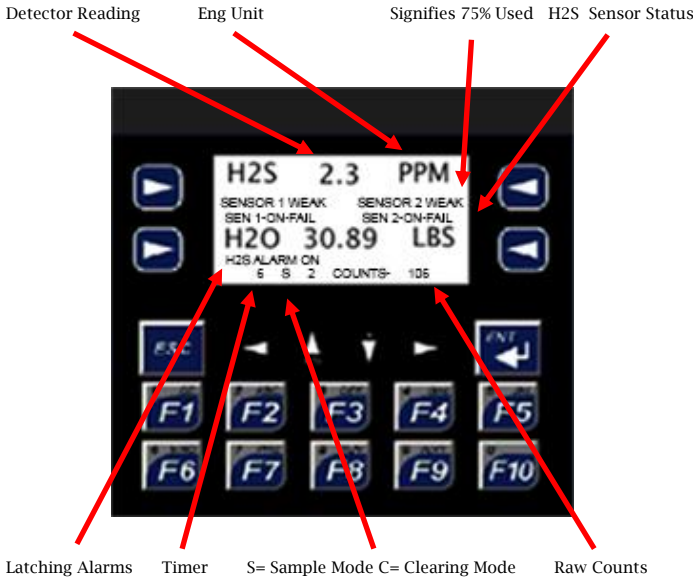
#### **OPTIONS:**

- Enclosures: NEMA 4X powder coated, (Dimensions: 12" x 10" x 6" Weight: 20 pounds)
- Explosion proof, suitable for Class 1, Division 1, Groups B, C, and D
- Shut-In Valve: Pneumatic solenoid valve or relays to control your shut-in valve
- Alarm relays: Field programmable
- Low Alarm: Non-Latching or Latching
- High Alarm: Latching

**OPERATOR CONTROL STATION LCD DISPLAYS**

The analyzers uses a logic controller with 10 function keys, enabling you to navigate easily among displays and make set-point changes in the field.

The analyzer can also be ordered to measure CO<sub>2</sub> and H<sub>2</sub>O. TAC can provide one analyzer to measure H<sub>2</sub>S, CO<sub>2</sub> and H<sub>2</sub>O.



**MORE ORDERING OPTIONS**



“The PAL”, a portable analyzer, designed from customer feedback, it is small, lightweight and easy to use. Housed in a rugged carrying case, its purpose is to allow operators to spot check the levels of H<sub>2</sub>S in their pipelines.

**Celebrating 35 Years, Leading the Industry in Pipeline Instrumentation**



Since 1975, customers in the petrochemical, offshore, pipeline, wastewater, and pulp-and-paper industries have relied on Texas Analytical Controls for rapid-response gas detection and measurement - a complete line of efficient instrumentation.

Because we manufacture and service each product ourselves, you can count on uncompromising quality. And we can custom-design our monitors to suit your specific needs.

At Texas Analytical Controls, we're serious about protecting your workers, the environment and your costly equipment. Our commitment has brought us continued growth - always based on the relationships we build with our customers.

We hope you'll become one of them.