

TEXAS ANALYTICAL CONTROLS, INC.

H₂S PROCESS ANALYZER

XLE/302/111



H₂S Monitoring Made Simple

Choose Texas Analytical Controls for Reliable, Economical H₂S Monitoring.

With two H₂S sensors, the TAC monitor is your first choice for reliable H₂S monitoring in the field. If the output of one sensor fails, you can easily disable it. The monitor will continue to operate reliably, assuring you of consistent H₂S detection over time.

Easy to Operate and Maintain

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

Sensors typically last a full year and can be changed in just a few minutes.

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.

Full Technical Support

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

Features and Specifications of the XLE/302/111

Range: Customer to specify a range and can be field programmable to alarm at any desired set point. Typical ranges 0-10, 25, 50 and 100PPM. Percent (%) level also available.

Sensor: 3- Electrode Chemical (Estimated life: 1 year)

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.

Standard: Self-powered 4-20mA Output.

Options: Loop-powered 4-20mA Output or 1-5 Volts.
Modbus/Ethernet
Data Logging Capabilities

Power Input: 110/220 VAC or 12-24 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 AMP

Operating Temperature: -20°C to 50°C; -40°F to 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 a shut-in valve
- Alarm relays: Field programmable
 - Low Alarm: Non-latching or Latching
 - High Alarm: Latching

Operator Control Station LCD Displays

The analyzer 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 CO₂ and H₂O. TAC can provide one analyzer to measure H₂S, CO₂ and H₂O.

The H₂O portion of the analyzer provides real time readout of the H₂O in a natural gas line. A thermostet polymer capacitive sensor is used to the measure the H₂O in pounds. The sensor lasts approximately 1 year and is easy to replace.

The CO₂ portion of the analyzer provides real time readout of the CO₂ in a natural gas pipeline. An NDIR (nondispersive infrared sensor) is used to measure the CO₂ in the following different ranges.

0-5,000PPM

0-5%

0-20%

0-100%

The sensor last approximately two years and is easily replaceable.



Displays a two channel H₂S/H₂O



Displays a three channel H₂S/CO₂/H₂O

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. 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.