

TEXAS ANALYTICAL CONTROLS, INC.

H₂S H₂O O₂ PROCESS ANALYZER

XLE 106/302/TRI GAS ANALYZER

H₂S MONITORING MADE SIMPLE Choose Texas Analytical Controls for Reliable, Economical H₂S Monitoring

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

The H₂O portion of the analyzer provides real time readout of the H₂O in a natural gas line. A thermoset polymer capacitive sensor is used to measure the H₂O in pounds. The sensor lasts approximately 3 years and is easy to replace.

The O₂ portion of the analyzer uses a micro-fuel sensor to detect and monitor the presence of O₂ in a natural gas pipeline. Depending on the application, the sensor typically lasts 9 months to a year. Calibration is fast and simple. And can be done in approximately 5 minutes. An optional scrubber is recommended for > 50 PPM H₂S to extend the life of the O₂ Sensor.

EASY TO OPERATE AND MAINTAIN

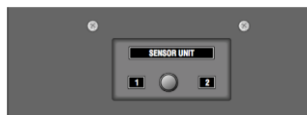
The TAC monitor outshines the competition when it comes to ease of operation and maintenance. The analyzers uses a logic controller with 10 function keys, enabling you to navigate easily among screens and make set-point changes in the field.

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 to occur automatically, reducing the time required in the field, or can be performed manually.



FEATURES OF THE XLE 106/302/123



SENSOR UNIT COVER SECURED IN PLACE



SENSOR UNIT COVER DETACHED



Front Loading Sensor

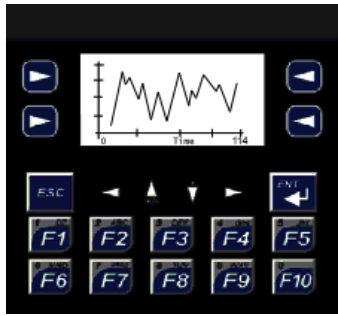
Enables operator to change H₂S sensors by removing a single thumbscrew

Sensor Weak Alert

An alert shows when the H₂S/O₂ sensors are 75% used

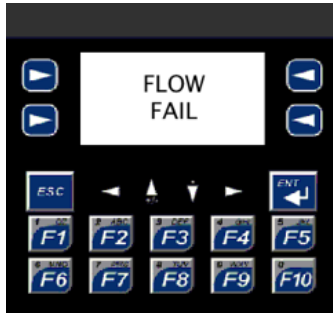
Bump Test

A bump test can be performed to verify readings without removing the sample line



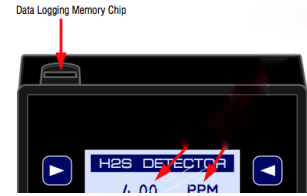
Historical Trend

Displays Historical Trend of H2S/H2O/O2 Readings for the previous hour



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

The SD memory card is used to store Historical Calibration and Alarm Data

SPECIFICATIONS OF THE XLE 106 Series

Range: H2S PPM and %

H2O 0-20 LBS

O2 0-100 PPM

(Other options available)

Sensor: H2S Electro-chemical (Estimated life: 1 year)

H2O Thermostet Polymer Capacitive Sensor (Estimated life: 3 Years)

O2 Micro-fuel cell (Estimated life: 1 year)

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: < 1AMP

Operating Temperature: 0°F-120°F

Shut-In Valve: Pneumatic solenoid valve or relays to control customer's slammer valve

Alarm set points field adjustable customer to choose Non-latching or Latching

Alarm Delay: Customer to set between 0-90 minutes

Red LED indicator: for Calibration Mode

Blue LED indicator: for Active Relay or Shut In Valve

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 (Dimensions: 18" x 16" x 12" Weight: 45 pounds)

FULL TECHNICAL SUPPORT

You will find the analyzers are easy to maintain. Technical support is available via phone or in person by one of our service technicians.

HOW TO CALIBRATE OUR H2S ANALYZER

<https://www.youtube.com/watch?v=4xxKXXmwfs8t>