

Configurable Online Wall Mount Hydrogen Sulfide Analyzer



F.S. Ranges of 0 - 10 ppm up to 0 - 10,000 ppm

Precision Electrochemical H2S Sensor

Large Backlight Display w/ Auto-Range

Intuitive User Friendly Interface

Cost Effective and Low Maintenance

MODBUS RS485 ASCII (Optional)

Specifications:

Accuracy:	< +/-1% Full Scale Range*
Analyzer Range:	Multiple up to 0 - 10,000 ppm
Area Classification:	General Purpose
Approval:	CE Certified
Dimensions:	9.5" x 6.5" x 3.8"
Flow:	0.5 - 2.0 SCFH
Gas Connections:	"Multiple Options"
Output:	4 - 20mA and 0 - 10 V DC
Power:	12 - 24 VDC
Pressure	0.1 - 50 PSIG Inlet, vent to atm
Response Time:	T90 in 45 Seconds
Sample System:	Optional
Sensor:	Precision Electrochemical Cell
Temperature:	0 to 50 deg C
Warranty Sensor:	12 Months
Warranty Electronics:	12 Months

*Accuracy at constant conditions

Optional Configurations:

- Customizable Measurement Ranges
- Sample Conditioning Systems
- Bi-Directional RS485 Modbus ASCII
- Extreme Weather Packaging

Applications:

- Natural Gas Extraction & Pipelines
- Natural Gas Processing
- Landfill Gas Monitoring
- Biogas before and after the H2S Scrubber
- And Many Other Industrial Applications

Cross Sensitivity

Sensor response per 100 ppm of gas present:

Methyl Mercaptan:	40 ppm
Carbon Monoxide:	4 ppm
Hydrogen:	1 ppm
Sulfur Dioxide:	18 ppm

"Inquiry for Application Expertise"

H2S Analyzer:

The model H2S-150 Hydrogen Sulfide analyzer combines a rugged design with SSO2's precision H2S sensors. The result is a highly reliable and cost effective compact design with easy-to-use interface designed specifically for the Natural Gas Industry.

The H2S analyzer is CE Certified and designed for outdoor installations requiring an IP66 / NEMA4X rated enclosure.

Gas connections are made with Compression tube fittings and available in 1/8", 1/4" or 6mm. Optional sample systems available and configured based on application needs.

The analyzer comes in 2 different configurations. Standard 6-wire (12 - 24VDC input, 4 - 20mA and 0 - 10VDC Analog Output), or 6-wire with Bi-Directional MODBUS RS-485 ASCII.

H2S Sensor Technology:

The H2S sensor used in the H2S-150 is based on the galvanic electrochemical fuel cell principal. All H2S sensors are manufactured under a strict quality program.

The sensors are self-contained and minimal maintenance is required - no need to clean electrodes or add electrolyte.

The Southland Sensing precision H2S sensors offer excellent performance, accuracy and stability while maximizing the expected life.

Power Requirements:

Input Power: 12 - 24 V DC
Current Draw: 50 mA

H2S Sensors:

H2S-1x PPM H2S Sensor: 0 - 200 MAX PPM Range
H2S-2x PPM H2S Sensor: 0 - 2000 MAX PPM Range
H2S-3x PPM H2S Sensor: 0 - 10000 MAX PPM Range

H2S sensors should be periodically calibrated. Factory recommendation is every 1 - 3 months or as the application dictates. Sensors offer excellent linearity when calibrated to a certified span gas.

Order Information:

Record Part Number with selected options in Blank Indicated Area of Form

Model Number:

H2S-150 Hydrogen Sulfide Analyzer

Selected Range & Sensor:

- 1 0 - 200 PPM; H2S-1x PPM H2S Sensor (Ranges: 0 - 10 ppm, 0 - 50 ppm, 0 - 100 ppm, 0 - 200 ppm)
- 2 0 - 2000 PPM; H2S-2x PPM H2S Sensor (Ranges: 0 - 100 ppm, 0 500 ppm, 0 - 1000 ppm, 0 - 2000 ppm)
- 3 0 - 10000 PPM; H2S-3x PPM H2S Sensor (Ranges: 0 - 1000 ppm, 0 - 2000 ppm, 0 - 5000 ppm, 0 - 10000 ppm)

Electronics Package:

- 4 12 - 24V DC Input Power w/ Isolated Analog Outputs
- M 12 - 24V DC Input Power w/ Isolated Analog Outputs + MODBUS RS485 ASCII

Gas Connections:

- 8 1/8" Compression Tube Fittings
- 6 6mm Compression Tube Fittings
- 4 1/4" Compression Tube Fittings

H2S-150 - _____ - _____ - _____ Use This Part Number When Ordering