

Configurable Online Wall Mount Hydrogen Sulfide Analyzer



Optional Configurations:

- Customizeable Measurement Ranges
- Sample Conditioning Systems
- Bi-Directional RS485 Modbus ASCII

Applications:

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

"Inquiry for Application Expertise"

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)

Indoor and Outdoor IP66 / NEMA4X Installations

Specifications:

Accuracy:	< +/-1% Full Scale Range*
Analyzer Range:	Multiple up to 0 - 10,000 ppm
Output:	4 - 20mA and 0 - 10 V DC
Power:	12 - 24 VDC
Area Classification:	General Purpose
Approval:	CE Certified
Dimensions:	9.5" x 6.5" x 3.8"
Enclosure:	Anodized Aluminum
Weight:	4.0 lbs
Pressure	0.1 - 50 PSIG Inlet
Flow Rate:	0.5 - 5 SCFH
Temperature:	0 to 50° C
Sensor:	Precision Electrochemical Cell
Response Time:	T90 in 45 Seconds
Gas Connections:	Configurable
Sample System:	Optional
Sensor Warranty:	12 months
Analyzer Warranty:	12 months

*Accuracy at constant conditions

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

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 and 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 3 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
- M 12 - 24V DC Input Power MODBUS RS485 ASCII
- IS 12 - 24V DC Input Power Intrinsically Safe, MODBUS RS485 ASCII

Gas Connections:

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

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

** For assistance when ordering, contact our inside sales specialist **

OMD-150 / OMD-525X Sample Systems

SS-1200, Sample System with Backpanel

High Pressure and High Flow

Pressure Regulator Handles Up to 600 PSIG

Bypass / 4-Way Valve

Pressure Gauge

Flow Meter

Specifications

Dimensions:

Material: 304 Stainless Steel

Weight: 13.0 lbs

Optional Gas Connections:

1/4" Compression Tube Fittings

1/8" Compression Tube Fittings

6mm Compression Tube Fittings



SS-1400, Sample System with Backpanel

Low Pressure and Low Flow

Integral Sampling Pump

0.1 u Coalescing Filter

Specifications

Dimensions:

Material: 304 Stainless Steel

Weight:

Optional Gas Connections:

1/4" Compression Tube Fittings

1/8" Compression Tube Fittings

6mm Compression Tube Fittings

