

Portable PPM Hydrogen Sulfide Analyzer with Data Logging & Sample System



Designed for the Natural Gas Industry

Large Backlit Display w/ User Friendly Menu

Data Log via Removable USB Flash Drive

Integral Flow Control Valve & Flow Indicator

Continuous Analysis during Charging

Electrochemical Sensor Technology

The H2S-780 Hydrogen Sulfide Analyzer combines a rugged portable design with SSO2's precision H2S sensors. The result is a highly reliable and cost effective design with an easy-to-use interface.

The analyzer comes a removable USB flash drive for data logging via .CSV (Excel) file format. With an 8GB USB Flash Drive, you can data log at 1 minute intervals for about 50 years before running out of storage. The low full scale range and flexibility to easily access data makes this analyzer unmatched in the market.

The display of the analyzer is designed to be used in direct sunlight. No need to bring a shade or other method to see the screen.

Two H2S Sensors are available for the H2S-780. The H2S-1x is pre-loaded for 4 ranges: 0 - 10ppm, 0 - 50 ppm, 0 - 100 ppm, and 0 - 200 ppm. The H2S-2x is preloaded for: 0 - 100 ppm, 0 - 500 ppm, 0 - 1000 ppm, and 0 - 2000 ppm. The H2S-3x is pre-loaded for 0 - 1000 ppm, 0 - 2000 ppm, 0 - 5000 ppm, and 0 - 10000 ppm.

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

Specifications

Accuracy:	< +/- 1% of Full Scale Range*
Analysis Range:	Multiple up to 10000 PPM
Battery Indicator:	Integrated into Large Display
Calibration:	Periodically
Data Logging:	Removable USB Flash Drive
Dimensions:	10.9 x 10.0 x 4.9 inch
Display:	Large with Backlight
Enclosure:	Brushed Stainless Steel
Flow Sensitivity:	0.25 - 5 SCFH
Gas Connections:	1/8" Compression Tube
Output (Analog):	0 - 1V DC
Power:	Rechargeable Battery 100 - 240 VAC AC Adapter
Pressure:	Inlet, 0 - 50 PSIG
Response Time:	T90 in 45 Seconds
Sample System:	Flow Control, Flow Indicator
Sensor:	Precision Electrochemical
Sensor Life:	12 - 36 months
Temperature:	0 - 50 deg C
Temperature Compensation:	Integral
Warranty:	12 months
Weight:	11.25 lbs

*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

Applications

- Natural Gas Extraction & Pipelines
- Natural Gas Processing
- Landfill Gas Monitoring
- Biogas before And After The H2S Scrubber
- And Many Other Industrial Applications

Sensor Options

H2S-1x	0 - 200 ppm H2S Sensor
H2S-2x	0 - 2000 ppm H2S Sensor
H2S-3x	0 - 10000 ppm H2S Sensor

Optional Accessories

ENC-640	Carrying case with foam insert
PP-640	Integral sampling pump