

GPR-7100

ppm Portable H₂S Analyzer

Electrochemical Sensor

The GPR-7100 portable hydrogen sulphide analyzer is designed for field H₂S measurement. Using low-power electrochemical sensor technology, this user-friendly device delivers cost-effective, minimal maintenance, H₂S measurement in a compact design.

Leveraging established technology, our unique advanced sensors have been developed and proven over three decades, and are optimized for use with our analyzers.

GPR-7100 is certified for use in flammable gas streams, ensuring top-class performance in demanding environments.



Highlights

- Wide variety of measurement ranges from 0...20 ppm_v to 0...2000 ppm_v
- 4...20 mA analog output
- Hazardous Area certified
- Long-life up to 12 months

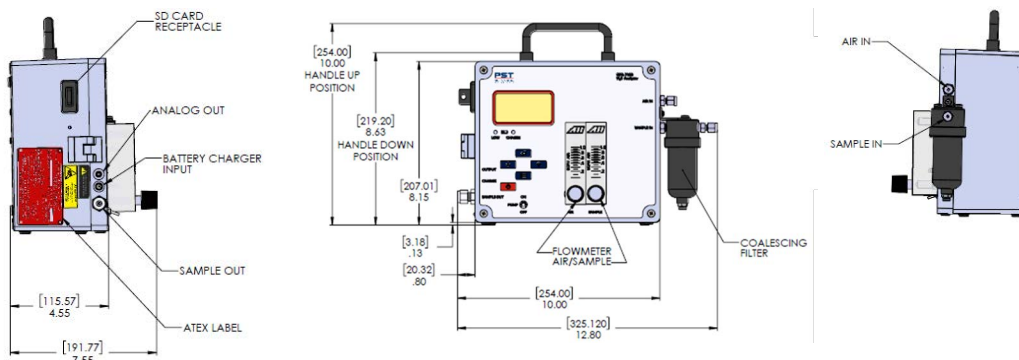
Applications

- Natural gas
- Biogas before and after H₂S scrubber

Technical Specifications

Sensor	
Model	OSV-72-7HH
Measurement Range	0...20, 0...50, 0...100 ppm _v
Accuracy	< 2 % of selected range at constant conditions
Output Resolution	0.01 ppm _v
Lower Detection Limit (LDL)	0.1 ppm _v
Sample Flow Rate (application dependent)	1:1 ratio (air:sample)
Pressure Range	5...30 psi (0.3...2 bar)
Response Time (T90)	< 60 seconds
Operating Temperature Range	-10...+45 °C (+14...+113 °F)
Humidity	0...80 %rh non-condensing
Life Expectancy (application dependent)	24 months in 1000 ppm _v
Shelf Life	Up to 3 months
Calibration Interval (application dependent)	Monthly (recommended), no longer than 3 months
Analyzer	
Electrical	
Display	LCD
Output Signal	0...1 V DC
Power Supply (battery charger)	100...240 V AC
Voltage Output (battery charger)	9 V DC (2 A)
Power Requirement (battery charger)	18 W
Mechanical	
Analyzer Housing Material	Painted Aluminum
Compliance	
Europe - EN 60079-0:2018, International - IEC 60079-1:2014	
Hazardous Area	
ATEX: II 1 G Ex ia IIC T4 Ga, T _{amb} (-20...+50 °C)	
cMETus: Class I, Division 1, Groups A, B, C & D, T4, Class I, Zone 0, AEx ia IIC T4 Ga T _{amb} , Ex ia IIC T4 Ga T _{amb} (-20...+50 °C)	
IECEX: Ex ia IIC T4 Ga T _{amb} (-20...+50 °C)	

Dimensions, inches [mm]



! CAUTION

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We adopt a continuous development program which sometimes necessitates specification changes without notice. For technical assistance or enquiries about other options, please contact us here: instruments.support@processsensing.com.