



## GPR-7500 AIS / IS PPM H<sub>2</sub>S Analyzer

12-24 VDC or 100/230 VAC Powered Intrinsically Safe H<sub>2</sub>S Transmitter  
**ATEX Certification Directive 94/9/EC Pending**



### Technical Specifications

Accuracy:	< 1% of FS range under constant conditions	Linearity:	±1% of full scale
Analysis Ranges:	0-20, 0-50, 0-100 PPM FS ranges; auto-ranging or manually lock on single range	Pressure:	Inlet - regulate to 5-30 psig to deliver 1-2 SCFH flow to transmitter; vent - atmospheric
Application:	Trace PPM H <sub>2</sub> S in flowing gas streams	Power:	12-24 VDC or 100/230 VAC
Approvals:	ATEX II 2 G Ex [ib] ib IIB T4 Tamb -20° to +50°	Response Time:	90% of final reading in 35 seconds
Area Classification:	Meets intrinsic safety standards for use in CSA/UL Class 1, Division 1, Group C, D hazardous areas	Sample System:	Sample flow meter, sample/span control valve
Alarms:	GPR-7500 AIS: Two user configurable concentration alarm relays rated 3A at 100 VAC; field programmable alarm time delays; alarm bypass for calibration GPR-7500 IS: None	Sensitivity:	< 0.5% of FS range
Calibration:	Span gas 50-100 PPM H <sub>2</sub> S balance air	Sensor Model:	GPR-72-B1 (standard ranges) GPR-72-BE (optional ranges)
Compensation:	Barometric pressure and temperature	Sensor Life:	24 months at 25°C and 1 atm.
Connections:	1/4" compression tube fittings	Signal Output:	4-20mA
Controls:	Water resistant keypad; menu driven range selection, calibration and system functions	Operating Range:	Recommended -10 °C to 45°C; sensor does not freeze at -20°
Display:	Graphical LCD 2.75" x 1.375"; resolution 0.1 PPM; displays real time ambient temperature and pressure	Warranty:	12 months analyzer; 12 months sensor
Enclosure:	Aluminum ex-proof, fiberglass NEMA 4X, 21x9x6"	Weight:	20 lbs
Flow Sensitivity:	None between 0.5-5 SCFH, 1-2 SCFH recommended	Wetted Parts:	Stainless steel

### Optional Equipment

Sample conditioning systems - Contact factory for details

Analysis Ranges: 0-500, 0-1000, 0-2000 PPM FS ranges