

ELECTROCHEMICAL SENSORS FOR TOXIC GASES (continued)

Hydrogen Sulfide (Mini-H₂S)

Sensor Type:	Electrochemical
Range:	0 to 100 ppm
Filter:	No
Resolution:	0.1 ppm
Bias/Equilibration:	0 V
Temperature Range:	-4° F to 122° F (-20° C to 50° C)
Pressure Range:	Atmospheric ±10%
Operating Humidity:	15 to 90% RH non-condensing
Storage Life:	6 months in sealed container
Storage Temperature:	32° F to 68° F (0°C to 20°C)
Expected Operating Life:	24 months in air
Warranty:	24 months from date of shipment
Calibration Gas:	25 ppm H ₂ S, balance nitrogen
Part Number(s):	032-0601-002
Supported Instruments:	MicroRAE

Cross-Sensitivity Data, Mini-H ₂ S Sensor		
Gas	Concentration	Response
CO	50 ppm	1.5 ppm
C ₂ H ₅ OH	5,000 ppm	±1.5 ppm
SO ₂	20 ppm	<4 ppm
NO	50 ppm	6 ppm
NO ₂	10 ppm	-2.5 ppm
H ₂	400 ppm	4 ppm

Note: The cross-sensitivity may fluctuate between ±30% and may differ from batch to batch or over the sensor's lifetime. The cross-sensitivities include, but are not limited to, the above gases.