



DrägerSensor[®] XS Hydride

P/N 6809135

Gases qualified to measure:	<u>Name</u>	<u>Display Symbol</u>	<u>Relative Response</u>
	Phosphine, PH ₃	PH3	1.00
	Arsine, AsH ₃	AsH3	0.85
	Diborane, B ₂ H ₆	B2H6	0.40
	Germanium hydride, GeH ₄	GeH4	0.95
	Silicone hydride, SiH ₄	SiH4	0.95

Compatible Instruments: Pac III, MiniWarn & Multiwarn II Monitors

Measuring Ranges:
Maximum: 0 to 20.0 ppm PH₃
Standard: 0 to 1.00 ppm PH₃
Minimum: 0 to 1.00ppm PH₃

Response Time:
90% response to exposed concentration in less than 10 seconds (PH₃, B₂H₆, SiH₄)
90% response to exposed concentration in less than 20 seconds (AsH₃ and GeH₄)

Accuracy: +/- 5% of Measured Value or better

Display Resolution: 0.01 ppm

Environmental Conditions:
Temperature: -4 to 122 °F (-20 to 50 °C), continuous operation
-4 to 140 °F (-20 to 60 °C), short duration
Humidity: 10 to 90 %RH, continuous operation
5 to 99 %RH, short duration
Pressure: 20.7 to 38.4 inches Hg (700 to 1300 mbar)
Note: Rapid changes in environmental conditions may cause temporary fluctuation in the sensor readings

Cross-Sensitivities:
Positive Effect: H₂S, SO₂, HCN, Ethylene, and other hydrides
Negative Effect: Cl₂ and NO₂
Note: Other gases may have an influence on the sensor

Calibration Frequency:
Required: 6 months
Recommended: 3 months

Calibration Gas:
Required: Phosphine or Arsine
Surrogate: Sulfur Dioxide
Concentration: 40-100% of selected range
Minimum: 0.4 ppm

Compatible Filters: Internal Dust & Mist Filter: P/N 6809021 (provided with sensor)

Warranty Period: 12 Months