



DrägerSensor[®] XS Odorant

P/N 6809200

| Gases qualified to measure: | <u>Name</u> | <u>Display Symbol</u> | <u>Relative Response</u> |
|------------------------------------|--|-----------------------|--------------------------|
| | Tetrahydrothiophene, C ₄ H ₈ S | THT | 1.00 |
| | tert.-Butyl mercaptan, (CH ₃) ₃ CSH | TBM | 1.60 |
| | sec.-Butyl mercaptan, C ₄ H ₁₀ S | SBM | 1.60 |
| | Methyl mercaptan, CH ₃ SH | MeM | 2.00 |
| | Ethyl mercaptan, C ₂ H ₅ SH | EtM | 1.50 |
| | Dimethyl sulfide, (CH ₃) ₂ S | DMS | 1.20 |
| | Dimethyl disulfide, CH ₃ SSCH ₃ | DMDS | 0.33 |

Compatible Instruments: Pac III, MiniWarn & Multiwarn II Monitors

Measuring Range:
Maximum: 0 to 40.0 ppm THT
Standard: 0 to 20.0 ppm THT
Minimum: 0 to 20.0 ppm THT

Response Time: 90% response to exposed concentration in less than 90 seconds

Accuracy: +/- 5% of measured value or better

Display Resolution: 0.5 ppm

Environmental Conditions:
Temperature: -4 to 122 °F (-20 to 50 °C) THT, TBM, SBM
32 to 104 °F (0 to 40 °C) MeM, EtM, DMS, DMDS
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 fluctuations in sensor readings

Cross-Sensitivities:
Positive Effects: H₂S, SO₂, PH₃, NO, and Mercaptans
Negative Effects: Cl₂
Selective Filter: (B2T) removes H₂S, SO₂ and Cl₂.
Note: Other gases may influence the sensor

Calibration Frequency:
Required: 6 months
Recommended: 3 months

Calibration Gas:
Recommended: Tetrahydrothiophene or Ethyl Mercaptan
Concentration: 40-100% of selected range
Minimum: 2 ppm

Compatible Filters:
Internal Selective Filter (B2T): P/N 6809198 (provided with sensor)
Internal Dust & Mist Filter: P/N 6809021 (optional)

Warranty Period: 1 Year