



H2S-4HS-LM

Product code: H2S-4HS-LM

Manufacturer: City Technology

Nominal Range: 0-100 ppm

Maximum Overload: 500 ppm

Expected Operating Life: Two years in air

Output Signal: $0.70 \pm 0.15 \mu\text{A/ppm}$

Resolution: 0.1 ppm

Temperature Range: -40°C to $+50^{\circ}\text{C}$

Pressure Range: Atmospheric $\pm 10\%$

Pressure Coefficient: No data

T90 Response Time: ≤ 30 seconds

Relative Humidity Range: 15 to 90% non-condensing

Typical Baseline Range (pure air): -0.1 to $+0.4$ ppm equivalent

Maximum Zero Shift ($+20^{\circ}\text{C}$ to $+40^{\circ}\text{C}$): < 0.2 ppm equivalent

Long Term Output Drift: $< 2\%$ signal loss/month

Recommended Load Resistor: 10 Ω

Bias Voltage: Not required

Repeatability: $< 2\%$ of signal

Output Linearity: Linear

Weight: 5 g (approx.)

Position Sensitivity: None

Storage Life: Six months in CTL container

Recommended Storage Temperature: $0-20^{\circ}\text{C}$

Warranty Period: 12 months from date of despatch

Life expectancy	> 24 months
Measurement range	0-100 ppm
Target Gas	Hydrogen sulfide
Response Time	< 30 seconds (T90)
Output	$700 \pm 150 \mu\text{A/ppm}$