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7HLM

Product code: 7HLM

Manufacturer: City Technology

MEASUREMENT

Operating Principle: 3-electrode electrochemical

Measurement Range: 0-200 ppm H₂S

Maximum overload: 1000 ppm H₂S

Filter: None

Sensitivity: $0.37 \pm 0.07 \mu\text{A/ppm}$

Response Time (T₉₀): <35 Seconds at 20°C

Zero Shift (+20°C to +40°C): < 2 ppm H₂S equivalent

Resolution: 0.25 ppm (when used with recommended electronics)

Baseline Offset (clean air): -0.6 to +1.9 ppm H₂S equivalent

Repeatability: 2% of signal

Linearity: Linear

ELECTRICAL

Recommended Load Resistor: 10 Ω

Bias Voltage: Not required

MECHANICAL

Weight: 12 g

Housing Material:

- Cap: Polycarbonate
- Body: ABS

Orientation: Any

ENVIRONMENTAL

Operating Temperature Range: -40°C to +50°C

Recommended Storage Temp: 0°C to 20°C

Operating Pressure Range: Atmospheric $\pm 10\%$

Pressure Coefficient: $0.008 \pm 0.002 \%$ signal/mBar

Operating Humidity Range: 15 - 90% RH non-condensing



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LIFETIME

Long Term Sensitivity Drift: <2% signal loss/month

Expected Operating Life: Two years in air

Storage Life: 6 months in CTL container

Life expectancy	> 24 months
Measurement range	0-200 ppm
Target Gas	Hydrogen sulfide
Response Time	< 35 seconds (T90)
Output	370 ± 70 nA/ppm