



3H

Product code: 3H

Manufacturer: City Technology

MEASUREMENT

Operating Principle: 3-electrode electrochemical

Measurement Range: 0-200 ppm H₂S

Maximum Overload: 1000 ppm H₂S

Filter: None

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

Resolution: 0.5 ppm CO

Response Time (T₉₀): <35 Seconds

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

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

Resolution: 0.25 ppm (when used with recommended electronics)

Repeatability: 1% of signal

Linearity: Linear

ELECTRICAL

Recommended Load Resistor: 10 Ω

Bias Voltage: Not required

MECHANICAL

Weight: 22 g

Housing Material: Gap and BodyGlass Filled Polypropylene

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 ± 0.002 % signal/mBar

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

LIFETIME

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



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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