



3HH

Product code: 3HH

Manufacturer: City Technology

MEASUREMENT

Operating Principle: 3-electrode electrochemical

Measurement Range: 0-50 ppm H₂S

Maximum Overload: 500 ppm H₂S

Filter: None

Sensitivity: $1.70 \pm 0.30 \mu\text{A/ppm}$

Response Time (T₉₀): <30 Seconds

Baseline Offset (clean air): -0.2 to +0.4 ppm H₂S equivalent

Maximum Zero Shift (+20°C to +40°C): 0.1 ppm H₂S equivalent

Resolution: 0.1 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 Body Glass 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%

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

LIFETIME

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

Expected Operating Life: Two years in air

Storage Life: 6 months in CTL container

Life expectancy	> 24 months
Measurement range	0-50 ppm
Target Gas	Hydrogen sulfide
Response Time	< 30 seconds (T90)
Output	1.70 ± 0.30 μ A/ppm