



## 3H

**Product code:** 3H

**Manufacturer:** City Technology

### MEASUREMENT

**Operating Principle:** 3-electrode electrochemical

**Measurement Range:** 0-200 ppm H<sub>2</sub>S

**Maximum Overload:** 1000 ppm H<sub>2</sub>S

**Filter:** None

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

**Resolution:** 0.5 ppm CO

**Response Time (T<sub>90</sub>):** <35 Seconds

**Baseline Offset (clean air):** -0.6 to +1.9 ppm H<sub>2</sub>S equivalent

**Maximum Zero Shift (+20°C to +40°C):** 2 ppm H<sub>2</sub>S equivalent

**Resolution:** 0.25 ppm (when used with recommended electronics)

**Repeatability:** 1% of signal

**Linearity:** Linear

### ELECTRICAL

**Recommended Load Resistor:** 10  $\Omega$

**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:**  $0.008 \pm 0.002$  % 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

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