



3SH

Product code: 3SH

Manufacturer: City Technology

Nominal Range: 0-20ppm

Maximum Overload: 100ppm

Expected Operating Life: Two years in air

Output Signal: $1.25 \pm 0.25 \mu\text{A/ppm}$

Resolution: 0.1ppm

Temperature Range: -20°C to $+50^{\circ}\text{C}$

Pressure Range: Atmospheric $\pm 10\%$

Pressure Coefficient: No data

T90 Response Time: ≤ 15 seconds

Relative Humidity Range: 15 to 90% non-condensing

Typical Baseline Range (pure air): -0.1 to 0.2ppm equivalent

Maximum Zero Shift ($+20^{\circ}\text{C}$ to $+40^{\circ}\text{C}$): 0.1ppm equivalent

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

Recommended Load Resistor: 10W

Bias Voltage: Not required

Repeatability: 2% of signal

Output Linearity: Linear

Life expectancy	> 24 months
Measurement range	0 - 20 ppm
Target Gas	Sulphur dioxide
Response Time	< 15 seconds (T90)
Output	$1.25 \pm 0.25 \mu\text{A/ppm}$