



3HYE

Product code: 3HYE

Manufacturer: City Technology

Nominal Range: 0-10 000ppm

Maximum Overload: 20 000ppm

Expected Operating Life: Two years in air

Output Signal: $0.003 \pm 0.001 \mu\text{A/ppm}$

Resolution: 10ppm

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

Pressure Range: Atmospheric $\pm 10\%$

Pressure Coefficient: 0.006 % signal/mBar

T90 Response Time: <70 seconds

Relative Humidity Range: 15 to 90% non-condensing

Typical Baseline Range (pure air): +2 to -150ppm equivalent

Maximum Zero Shift ($+20^{\circ}\text{C}$ to $+40^{\circ}\text{C}$): -150ppm equivalent

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

Recommended Load Resistor: 10 Ω

Bias Voltage: Not required

Repeatability: 2% of signal

Output Linearity: Linear

Life expectancy	> 24 months
Measurement range	0-10.000 ppm
Target Gas	Hydrogen
Response Time	< 70 seconds (T90)
Output	$3 \pm 1 \text{ nA/ppm}$