



A3CO

Product code: A3CO

Manufacturer: City Technology

Nominal Range: 0-500ppm

Maximum Overload: 1000ppm

Expected Operating Life: Two years

Output Signal: $0.2 \pm 0.04 \mu\text{A/ppm}$

Resolution: 100ppb

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

Pressure Range: Atmospheric $\pm 10\%$

Pressure Coefficient: No data

T90 Response Time: <40 seconds

Relative Humidity Range: 15 to 90% non-condensing

Typical Baseline Range (pure air): 0 to 1ppm equivalent

Maximum Zero Shift ($+20^{\circ}\text{C}$ to $+40^{\circ}\text{C}$): 2ppm equivalent

Long Term Output Drift: <10% signal loss/year in air

Recommended Load Resistor: 10Ω (see over)

Bias Voltage: Not required

Repeatability: 1% of signal

Output Linearity: Linear

Life expectancy	> 24 months
Measurement range	0-500 ppm
Target Gas	Carbon Monoxide
Response Time	< 40 seconds (T90)
Output	$200 \pm 40 \text{ nA/ppm}$