



## 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:**  $-20^{\circ}\text{C}$  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:**  $10\Omega$  (see over)

**Bias Voltage:** Not required

**Repeatability:** 1% of signal

**Output Linearity:** Linear

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