



# A30Z

**Product code:** A30Z

**Manufacturer:** City Technology

**Nominal Range:** 0-10ppm

**Maximum Overload:** 100ppm

**Expected Operating Life:** Two years

**Output Signal:**  $2.2 \pm 0.5 \mu\text{A/ppm}$

**Resolution at 20°C:** 20ppb

**Temperature Range:** -20°C to +50°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 0.1ppm equivalent

**Maximum Zero Shift (+20°C to +40°C):** 0.1ppm equivalent

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

**Recommended Load Resistor:** 33Ω

**Bias Voltage:** Not required

**Repeatability:** 1% of signal

**Output Linearity:** Linear

<b>Life expectancy</b>	> 24 months
<b>Measurement range</b>	0-10 ppm
<b>Target Gas</b>	Ozone Nitrogen dioxide
<b>Response Time</b>	< 40 seconds (T90)
<b>Output</b>	$2.2 \pm 0.5 \mu\text{A/ppm}$