



4NT

Product code: 4NT

Manufacturer: City Technology

Nominal Range: 0-250 ppm

Maximum Overload: 1000 ppm

Expected Operating Life: Two years in air

Output Signal: $0.4 \pm 0.08 \mu\text{A/ppm}$

Resolution: 0.5 ppm

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

Pressure Range: Atmospheric $\pm 10\%$

T90 Response Time: <40 seconds

Relative Humidity Range: 15 to 90% non-condensing

Typical Baseline Range (pure air): 0 to +3 ppm

Maximum Zero Shift ($+20^{\circ}\text{C}$ to $+40^{\circ}\text{C}$): <4 ppm

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

Recommended Load Resistor: 10 W

Bias Voltage: +300 mV

Repeatability: <2% of signal

Output Linearity: Linear

Life expectancy	> 24 months
Measurement range	0 - 250 ppm
Target Gas	Nitrogen monoxide
Response Time	< 40 seconds (T90)
Output	$400 \pm 80 \text{ nA/ppm}$