



4ND

Product code: 4ND

Manufacturer: City Technology

Nominal Range: 0-20 ppm

Maximum Overload: 150 ppm

Expected Operating Life: Two years in air

Output Signal: $0.6 \pm 0.15 \mu\text{A/ppm}$

Resolution: 0.1 ppm

Temperature Range: -20°C to +50°C

Pressure Range: Atmospheric $\pm 10\%$

T90 Response Time: <25 seconds

Relative Humidity Range: 15 to 90% non-condensing

Typical Baseline Range (pure air): -0.2 to +0.2 ppm equivalent

Maximum Zero Shift (+20°C to +40°C): 0.2 ppm equivalent

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

Recommended Load Resistor: 33 W

Bias Voltage: Not required

Repeatability: <2% of signal

Output Linearity: Linear

Life expectancy	> 24 months
Measurement range	0 - 20 ppm
Target Gas	Nitrogen dioxide
Response Time	< 25 seconds (T90)
Output	$600 \pm 150 \text{ nA/ppm}$