



3NFF

Product code: 3NFF

Manufacturer: City Technology

MEASUREMENT

Operating Principle: 3-electrode electrochemical

Nominal Range: 0-1000 ppm NO

Maximum Overload: 5000 ppm NO

Filter: To remove SO₂ from gas stream

Sensitivity: 0.10 ± 0.02 µA/ppm

Response Time (T₉₀): <25 Seconds

Baseline Offset (clean air): 0 to 12 ppm equivalent

Zero Shift (+20°C to +40°C): 30 ppm equivalent

Repeatability: 2% of signal

Output Linearity: Linear

ELECTRICAL

Recommended Load Resistor: 10 Ω

Bias Voltage: +300 mV

MECHANICAL

Weight: 22 g

Orientation: Any

ENVIRONMENTAL

Operating Temperature Range: -20°C to +40°C

Recommended Storage Temp: 0°C to 20°C

Operating Pressure Range: Atmospheric ± 10%

Pressure Coefficient: 0.01% signal / mbar

Operating Humidity Range: 15 - 90% RH non-condensing

LIFETIME

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

Expected Operating Life: Three years in air

Storage Life: 6 months in CTL container

Life expectancy

> 3 years



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Measurement range	0-1000 ppm
Target Gas	Nitrogen monoxide
Response Time	< 25 seconds (T90)
Output	100 ± 20 nA/ppm