



5NF

Product code: 5NF

Manufacturer: City Technology

MEASUREMENT

Operating Principle: 4-electrode electrochemical

Measurement Range: 0-1000 ppm NO

Maximum Overload: 5000 ppm NO

Filter: To remove effect of SO₂

Filter Life: 25,000 ppm hours (1000 ppm SO₂ at 200 ml/min)

Sensitivity: 0.10 ± 0.02 µA/ppm

Resolution: 1 ppm

Response Time (T₉₀): < 30 seconds

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

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

Repeatability: 2% of signal

Linearity: Linear

ELECTRICAL

Recommended Load Resistor: 10 Ω

Bias Voltage: +300 mV

MECHANICAL

Weight: 13 g nominal

Orientation: Any

ENVIRONMENTAL

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

Recommended Storage Temp: 0°C to 20°C

Operating Pressure Range: Atmospheric ± 10%

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

LIFETIME

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

Expected Operating Life: Three years in air



Tecnosens S.p.A.
Via Vergnano,16 25125
Brescia (BS) Italia

Tel: (+39) 030 3534144
Fax: (+39) 030 3530815
info@tecnosens.it
PEC: tecnosens@legalmail.it

Storage Life: 6 months in CTL container

Life expectancy	> 3 years
Measurement range	0-1000 ppm
Target Gas	Nitric Oxide
Response Time	< 30 seconds (T90)
Output	100 ± 20 nA/ppm