



## 5NF

**Codice prodotto:** 5NF

**Produttore:** City Technology

### MEASUREMENT

**Operating Principle:** 4-electrode electrochemical

**Measurement Range:** 0-1000 ppm NO

**Maximum Overload:** 5000 ppm NO

**Filter:** To remove effect of SO<sub>2</sub>

**Filter Life:** 25,000 ppm hours (1000 ppm SO<sub>2</sub> at 200 ml/min)

**Sensitivity:** 0.10 ± 0.02 µA/ppm

**Resolution:** 1 ppm

**Response Time (T<sub>90</sub>):** < 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



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**Storage Life:** 6 months in CTL container

<b>Life expectancy</b>	> 3 anni
<b>Range di misura</b>	0-1000 ppm
<b>Target Gas</b>	Monossido di Azoto
<b>Tempo di Risposta</b>	< 30 secondi (T90)
<b>Uscita</b>	100 ± 20 nA/ppm