



3ND

Codice prodotto: 3ND

Produttore: City Technology

MEASUREMENT

Operating Principle: 3-electrode electrochemical

Nominal Range: 0-100 ppm NO₂

Maximum Overload: 1000 ppm NO₂

Filter: None

Sensitivity: $0.37 \pm 0.07 \mu\text{A/ppm}$

Response Time (T₉₀): <35 Seconds

Baseline Offset (clean air): 0 to 2 ppm equivalent

Zero Shift (+20°C to +40°C): -1 ppm equivalent

Resolution: 0.5 ppm (electronics dependant)

Repeatability: 2% of signal

Output Linearity: Linear

ELECTRICAL

Recommended Load Resistor: 33 Ω

Bias Voltage: Not Required

MECHANICAL

Weight: 22 g

Orientation: Any

ENVIRONMENTAL

Operating Temperature Range: -20°C to +50°C

Recommended Storage Temp: 0°C to 20°C

Operating Pressure Range: Atmospheric \pm 10%

Pressure Coefficient: 0.037% signal / mbar

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

LIFETIME

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

Expected Operating Life: Two years in air

Storage Life: 6 months in CTL container



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

Life expectancy	> 24 mesi
Range di misura	0-100 ppm
Target Gas	Diossido di Azoto
Tempo di Risposta	< 35 secondi (T90)
Uscita	370 ± 70 nA/ppm