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7E

Codice prodotto: 7E

Produttore: City Technology

MEASUREMENT

Operating Principle: 3-electrode electrochemical

Measurement Range: 0-1000 ppm CO

Maximum Overload: 2000 ppm CO

Filter: To remove SOx/NOx and H₂S

Sensitivity: $0.10 \pm 0.02 \mu\text{A/ppm}$

Response Time (T₉₀): <25 seconds at 20°C

Baseline Offset (clean air): -1 to +3 ppm equivalent

Zero Shift (+20°C to +40°C): <9 ppm equivalent

Repeatability: 1% of signal

Linearity: Linear

ELECTRICAL

Recommended Load Resistor: 10 Ω

Bias Voltage: Not Required

MECHANICAL

Weight: 17 g

Housing Material:

- Cap: Polycarbonate
- Body: ABS

Orientation: Any

ENVIRONMENTAL

Typical Applications: Portable Life Safety

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

Recommended Storage Temp: 0°C to 20°C

Operating Pressure Range: Atmospheric $\pm 10\%$

Pressure Coefficient: $0.020 \pm 0.008 \%$ signal/mBar

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

LIFETIME



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

Long Term Sensitivity Drift: < 5% signal loss/year
Expected Operating Life: Three years in air
Storage Life: 6 months in CTL container

Life expectancy	> 3 anni
Range di misura	0-1000 ppm
Target Gas	Monossido di Carbonio
Tempo di Risposta	< 25 secondi (T90)
Uscita	100 $\pm$ 20 nA/ppm