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## 7EF

**Codice prodotto:** 7EF

**Produttore:** City Technology

### MEASUREMENT

**Operating Principle:** 3-electrode electrochemical

**Measurement Range:** 0-10000 ppm CO

**Maximum Overload:** 2000 ppm CO

**Filter:** To remove SO<sub>x</sub>/NO<sub>x</sub> and H<sub>2</sub>S

**Sensitivity:** 0.10 ± 0.02 µA/ppm

**Response Time (T90)**

- 7E: <25 seconds at 20°C
- 7E/F: <30 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 nominal

**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 ± 10%

**Pressure Coefficient:** 0.020 ± 0.008 % signal/mBar

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

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## LIFETIME

**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	< 30 secondi (T90)
Uscita	100 ± 20 nA/ppm