



## 3E

**Codice prodotto:** 3E

**Produttore:** City Technology

### MEASUREMENT

**Operating Principle:** 3-electrode electrochemical

**Measurement Range:** 0-1000 ppm CO

**Maximum Overload:** 2000 ppm CO

**Filter:** None

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

**Resolution:** 0.5 ppm CO

**Response Time (T90):** <25 seconds

**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  $\Omega$

**Bias Voltage:** Not Required

### MECHANICAL

**Weight:** 22 g

**Housing Material:** 20% Glass Filled Polypropylene

**Orientation:** Any

### ENVIRONMENTAL

**Typical Applications:** Fixed 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

**Long Term Sensitivity Drift:** <5% signal loss/year

**Expected Operating Life:** three years in air

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



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