



## 3E

**Product code:** 3E

**Manufacturer:** 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



**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

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<b>Life expectancy</b>	> 3 years
<b>Measurement range</b>	0-1000 ppm
<b>Target Gas</b>	Carbon Monoxide
<b>Response Time</b>	< 25 seconds (T90)
<b>Output</b>	100 ± 20 nA/ppm