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## 7ETO

**Codice prodotto:** 7ETO

**Produttore:** City Technology

### MEASUREMENT

**Operating Principle:** 3-electrode electrochemical

**Measurement Range:** 0-20 ppm C<sub>2</sub>H<sub>4</sub>O

**Maximum Overload:** 100 ppm C<sub>2</sub>H<sub>4</sub>O

**Filter:** None

**Sensitivity:**  $2.25 \pm 0.65 \mu\text{A/ppm}$

**Response Time (T<sub>90</sub>):** <140 Seconds

**Baseline Offset (clean air):** 0 to +1 ppm C<sub>2</sub>H<sub>4</sub>O equivalent

**Zero Shift (+20°C to +40°C):** < 2 ppm C<sub>2</sub>H<sub>4</sub>O equivalent

**Resolution:** 0.1 ppm (when used with recommended electronics)

**Repeatability:** 1% of signal

**Linearity:** Linear

### ELECTRICAL

**Recommended Load Resistor:** 10  $\Omega$

**Bias Voltage:** +300 mV

### MECHANICAL

**Weight:** 17 g nominal

**Housing Material:**

- Cap: Polycarbonate
- Body: ABS

**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%

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

### LIFETIME



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

<b>Life expectancy</b>	> 24 mesi
<b>Range di misura</b>	0-20 ppm
<b>Target Gas</b>	Ossido di Etilene
<b>Tempo di Risposta</b>	< 140 secondi (T90)
<b>Uscita</b>	2.25 ± 0.65 µA/ppm