



## 4ETO

**Product code:** 4ETO

**Manufacturer:** 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

**Resolution** (Electronics dependent): 0.1 ppm

**Filter:** None

**Sensitivity:** 1.9 ± 0.5 mA/ppm

**Response Time (T<sub>90</sub>):** < 120 seconds

**Baseline Offset** (clean air): 0 to +3 ppm equivalent

**Zero Shift** (+20°C to +40°C): < 4 ppm equivalent

**Repeatability:** 2% of signal

**Linearity:** Linear

### ELECTRICAL

**Recommended Load Resistor:** 10 Ω

**Bias Voltage:** +300 mV

### MECHANICAL

**Housing Material:** ABS

**Weight:** 5g (approx.)

**Orientation:** Any

### ENVIRONMENTAL

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

**Operating Pressure Range:** 1 atm ± 10%

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

### LIFETIME

**Long Term Output Drift:** < 5% signal drift / year

**Recommended Storage Temp:** 0 to 20°C

**Expected Operating Life:** 2 years in air

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

**Life expectancy**

> 24 months



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<b>Measurement range</b>	0-20 ppm
<b>Target Gas</b>	Ethylene Oxide
<b>Response Time</b>	< 120 seconds (T90)
<b>Output</b>	1.9 ± 0.5 $\mu$ A/ppm