



3ETO

Product code: 3ETO

Manufacturer: City Technology

MEASUREMENT

Operating Principle: 3-electrode electrochemical

Measurement Range: 0-20 ppm C₂H₄O

Maximum Overload: 100 ppm C₂H₄O

Filter: None

Sensitivity: 2.75 ± 0.5 mA/ppm

Resolution: 0.1 ppm

Response Time (T₉₀): < 140 seconds

Baseline Offset (clean air): 0 to +1 ppm equivalent

Zero Shift (+20°C to +40°C): 2 ppm equivalent

Repeatability: 1% of signal

ELECTRICAL

Recommended Load Resistor: 10 Ω

Bias Voltage: +300 mV

MECHANICAL

Weight: 22 g

Orientation: Any

ENVIRONMENTAL

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

Recommended Storage Temp: 0°C to 20°C

Operating Pressure Range: Atmospheric ± 10%

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

LIFETIME

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

Expected Operating Life: Two years in air

Storage Life: 6 months in CTL container

Life expectancy

> 24 months



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Measurement range	0-20 ppm
Target Gas	Ethylene Oxide
Response Time	< 140 seconds (T90)
Output	$2.75 \pm 0.5 \mu\text{A/ppm}$