



Eco Sure

Product code: Eco Sure (2E)

Manufacturer: City Technology

MEASUREMENT

Operating Principle: 2-electrode electrochemical

Measurement Range: 0-500 ppm CO

Maximum Overload: 1000 ppm CO

Sensitivity: 45 ± 15 nA/ppm

Sensitivity Banding: A : 30.0 - 35.9 nA/ppm

B : 36.0 - 42.9 nA/ppm

C : 43.0 - 50.9 nA/ppm

D : 51.0 - 60.0 nA/ppm

Response Time (T90): <30 seconds

Baseline Offset (clean air): -2 to 4 ppm equivalent

Zero Shift* (-10°C to +50°C): < +10 ppm equivalent

Repeatability: < $\pm 5\%$

Linearity: Within $\pm 5\%$

ELECTRICAL

Recommended Load Resistor: 5 Ω

Bias Voltage: Not required

MECHANICAL

Housing Material: Noryl N110

Weight: 5 g (nominal)

Orientation: Any

ENVIRONMENTAL

Operating Temperature Range*:

Continuous -10°C to +50°C

Intermittent -20°C to +50°C

Operating Pressure Range

Operating Humidity Range*:

Continuous 15% to 90% RH non-condensing

Intermittent 0% to 99% RH non-condensing

INTRINSIC SAFETY DATA*

Maximum at 1000ppm: 0.1 mA

Maximum o/c Voltage: 1.3 V

Maximum s/c Current: <1.0 A

LIFETIME

Long Term Output Drift: < 5% per annum

Recommended Storage Temp: +10°C to +30°C

Expected Operating Life*: > 6 years in normal use
from date of manufacture

Storage Life: 6 months in original packaging

**With the exception of items marked * the
stated parameters have been verified under
the UL component recognition programme.**

Life expectancy	> 6 years in normal use from date of manufacture
Measurement range	0-500 ppm CO
Target Gas	Carbon Monoxide
Response Time	<30 seconds
Output	45 ± 15 nA/ppm