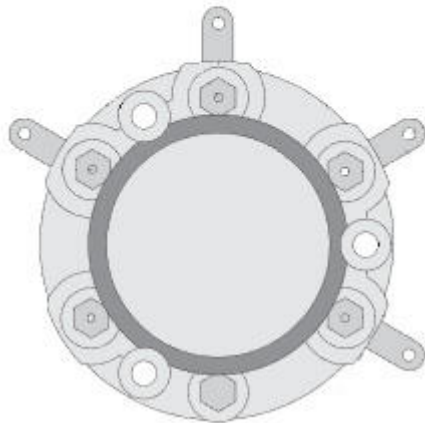
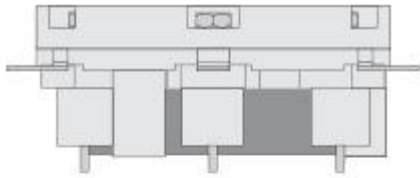




A3ED

Product code: A3ED

Manufacturer: City Technology

MEASUREMENT

Operating Principle: 3-electrode electrochemical

Measurement Range: 0-2000 ppm CO

Maximum Overload: 4000 ppm CO

Filter: Double Size Filter To remove acid gases

Sensitivity: $0.075 \pm 0.025 \mu\text{A/ppm}$

Response Time (T90): < 38 seconds

Baseline Offset (clean air): -2 to +17 ppm equivalent

Resolution (when using recommended circuitry): 1 ppm

Repeatability: <1% of signal

Linearity: Linear

ELECTRICAL

Recommended Load Resistor: 10 Ω

Bias Voltage: 0 or +250 mV

MECHANICAL

Weight: 31 g

Housing Material: Polycarbonate

Orientation: Any

ENVIRONMENTAL

Typical Applications: Ambient Environmental Monitoring

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

Recommended Storage Temp: 0°C to 20°C

Operating Pressure Range: Atmospheric $\pm 10\%$

Pressure Coefficient: 0.02% signal/mBar

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

LIFETIME

Long Term Sensitivity Drift: <2% signal loss/year

Expected Operating Life: Two years in air



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Storage Life: 6 months in CTL container

Life expectancy	> 24 months
Measurement range	0-2000 ppm
Target Gas	Carbon Monoxide
Response Time	< 38 seconds (T90)
Output	75 ± 25 nA/ppm