



3MF

Product code: 3MF

Manufacturer: City Technology

MEASUREMENT

Operating Principle: 3-electrode electrochemical

Measurement Range: 0-40,000 ppm CO

Maximum Overload: 100,000 ppm CO

Filter: High capacity filter to remove acid gases from flue stream

Sensitivity: $0.007 \pm 0.002 \mu\text{A/ppm}$

Resolution: 10 ppm

Response Time (T90): <30 seconds

Baseline Offset (clean air): -20 to +30 ppm equivalent

Zero Shift (+20°C to +40°C): <200 ppm equivalent

Repeatability: 4% of signal

Linearity: Linear

ELECTRICAL

Recommended Load Resistor: 10 Ω

Bias Voltage: Not Required

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 \pm 10%

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

LIFETIME

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

Expected Operating Life: three years in air

Storage Life: 6 months in CTL container



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Life expectancy	> 3 years
Measurement range	0-40.000 ppm
Target Gas	Carbon Monoxide
Response Time	< 30 seconds (T90)
Output	7 ± 2 nA/ppm