



5MF

Product code: 5MF

Manufacturer: City Technology

PERFORMANCE CHARACTERISTICS

Nominal Range: 0-40,000ppm

Operating Principle: 4-electrode electrochemical

Measurement Range: 0-1000 ppm NO

Maximum Overload: 0-100,000ppm

Inboard Filter: To remove acid gases

Filter Life: > 400,000 ppm hours (1000ppm NO @ 200ml/min)

Expected Operating Life: Three years in air

Output Signal: $0.010 \pm 0.004 \mu\text{A/ppm}$

Resolution: 10ppm

Temperature Range: -20°C to +50°C

Pressure Range: Atmospheric $\pm 10\%$

Pressure Coefficient: $0.007 \pm 0.003 \%$ signal/mBar

T90 Response Time: <40 seconds

Relative Humidity Range: 15 to 90% non-condensing

Typical Baseline Range (pure air): -30 to +100ppm equivalent

Maximum Zero Shift (+20°C to +40°C): -100ppm equivalent

Long Term Output Drift: <2% signal loss/month

Recommended Load Resistor: 10 Ω

Bias Voltage: Not required

Repeatability: 1% of signal

Output Linearity: Linear

Colour Coding: Red

PHYSICAL CHARACTERISTICS

Weight: 12.5 g nominal

Position Sensitivity: None

Storage Life: Six months in CTL container

Recommended Storage Temp: 0°C to 20°C

Life expectancy

> 3 years



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Measurement range	0-40.000 ppm
Target Gas	Carbon Monoxide
Response Time	< 40 seconds (T90)
Output	10 ± 4 nA/ppm