

M-SERIES NITRIC OXIDE SENSOR

Rev Date: 01/08

PRINCIPLE OF OPERATION: Electrochemical Reaction

PERFORMANCE CHARACTERISTICS*:

MODEL	NO-MFS	
Operating Range	0-1000 PPM	
Maximum Concentration	TBD	
Sensitivity (µA/PPM)	0.1 ± 0.05 µA/PPM	
Precision/Repeatability	±2% of Signal	
Linearity	±2% of Reading or 1% of FS, whichever is greater	
Response Time (secs to 90% F.S.)	<60 secs to 90% Full Signal	
Resolution	1 PPM	
Background (nominal after warmup)	±1 µA	
Temperature Range: Continuous Intermittent	-10 to + 40°C -20 to + 55°C	
Temperature Coefficient: Span (-10 to + 40°C) Baseline	TBD	
Recommended Operating Pressure	Ambient ± 2 psi	
RH Range: Continuous Intermittent	15-90% non-condensing 0-99% non-condensing	
Stability: Span Drift Background Drift	< 2% per month < 1 PPM per day	
Position Sensitivity	None	
Expected Lifetime	> 1 year	
Storage Life	> 6 months in container	

*Estimates based on laboratory testing at standard temperature, pressure, and humidity unless otherwise noted. Users must determine actual specifications in their application. Please refer to explanatory notes.

PHYSICAL DATA:

Operating Bias Potential: +300mV (working vs. reference)
 Weight: 5g
 Dimensions: Diameter: 0.625 in.
 Height: 1.0 in.