Nitric oxide MediceL® Specification

MNO MediceLs®



Performance Characteristics

Output Signal	$0.25 \pm 0.05 \mu A/ppm$	
Nominal Range	0-100ppm	
Maximum Overload	1500ppm	
Resolution at 20°C	0.5ppm	
Expected Operating Life	One year	
T ₉₀ Response Time	<10 seconds	
Output Linearity	Linear	
Maximum Zero Shift (+20°C to +40°C)	2ppm equivalent	
Operating Temp Range	-20°C to +50 °C	
Typical Baseline Range (pure air)	-1 to +1ppm equivalent	
Pressure Operating Range Storage Range Max Diff (capillary to amb.)	800-1200mBar 800-1200mBar ±100mBar	
Relative Humidity Range	15% to 90% non-condensing	
Typical Long Term Output Drift	Varies with usage levels	
Bias Voltage	+300mV	
Recommended Gain	1.1	
Repeatability	2% of signal	

Products

MNO-1	4-electrode NO MediceL
MNO-1B	MNO-1 with Bias Board
MNO-2	Compact 4-electrode NO MediceL
MNO-2B	MNO-2 with Bias Board

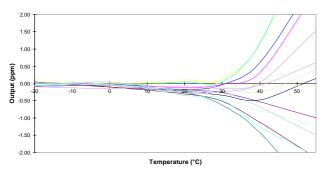
Physical Characteristics

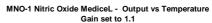
Material	20% glass-filled polypropylene
Weight	21g (MNO-1), 16g (MNO-2)
Position Sensitivity	None
Storge Life	Six months in CTL container
Recommended Storage Temperature	0-20°C
Colour Coded Ring	Orange (MNO-1 only)
Warranty Period	12 months from date of despatch

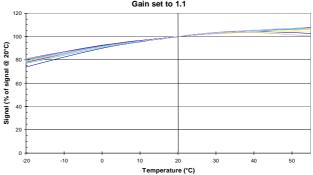
MNO-1 / MNO-2 Cross Sensitivity Data

Gas	Response
Carbon monoxide (CO)	None
Nitrus oxide (N ₂ O)	None
Nitrogen dioxide (NO ₂)	<25%
Halothane	None
Isoflurane	None
Desflurane	None

MNO-1 Nitric Oxide MediceL - Output vs Temperature Gain set at 1.1



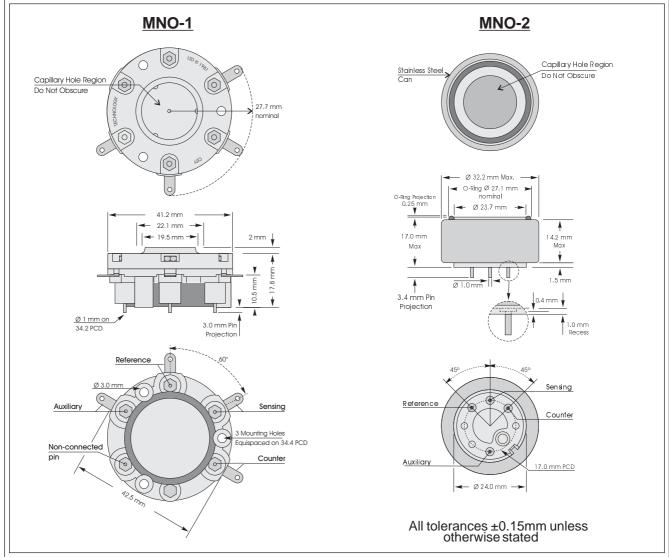




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Performance characteristics on this data sheet outline the performance of newly supplied sensors. Output signal can drift below the lower limit over time.

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