

Nitric oxide MediceL[®] Specification



MNO MediceLs[®]

Performance Characteristics

Output Signal	0.25 ± 0.05µA/ppm
Nominal Range	0-100ppm
Maximum Overload	1500ppm
Resolution at 20°C	0.5ppm
Expected Operating Life	One year
T₉₀ 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	800-1200mBar
Storage Range	800-1200mBar
Max Diff (capillary to amb.)	±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

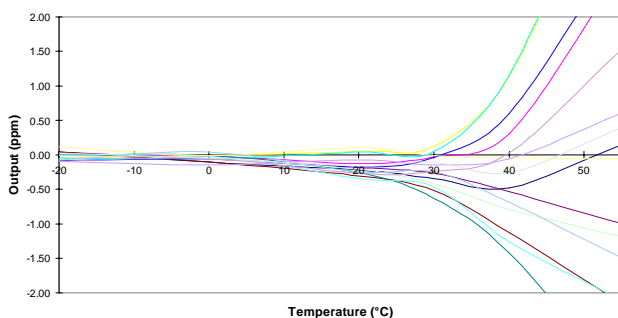
Physical Characteristics

Material	20% glass-filled polypropylene
Weight	21g (MNO-1), 16g (MNO-2)
Position Sensitivity	None
Storage 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

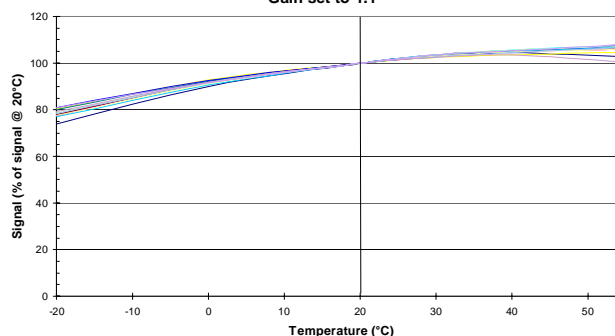
MNO-1 / MNO-2 Cross Sensitivity Data

Gas	Response
Carbon monoxide (CO)	None
Nitrus oxide (N₂O)	None
Nitrogen dioxide (NO₂)	<25%
Halothane	None
Isoflurane	None
Desflurane	None

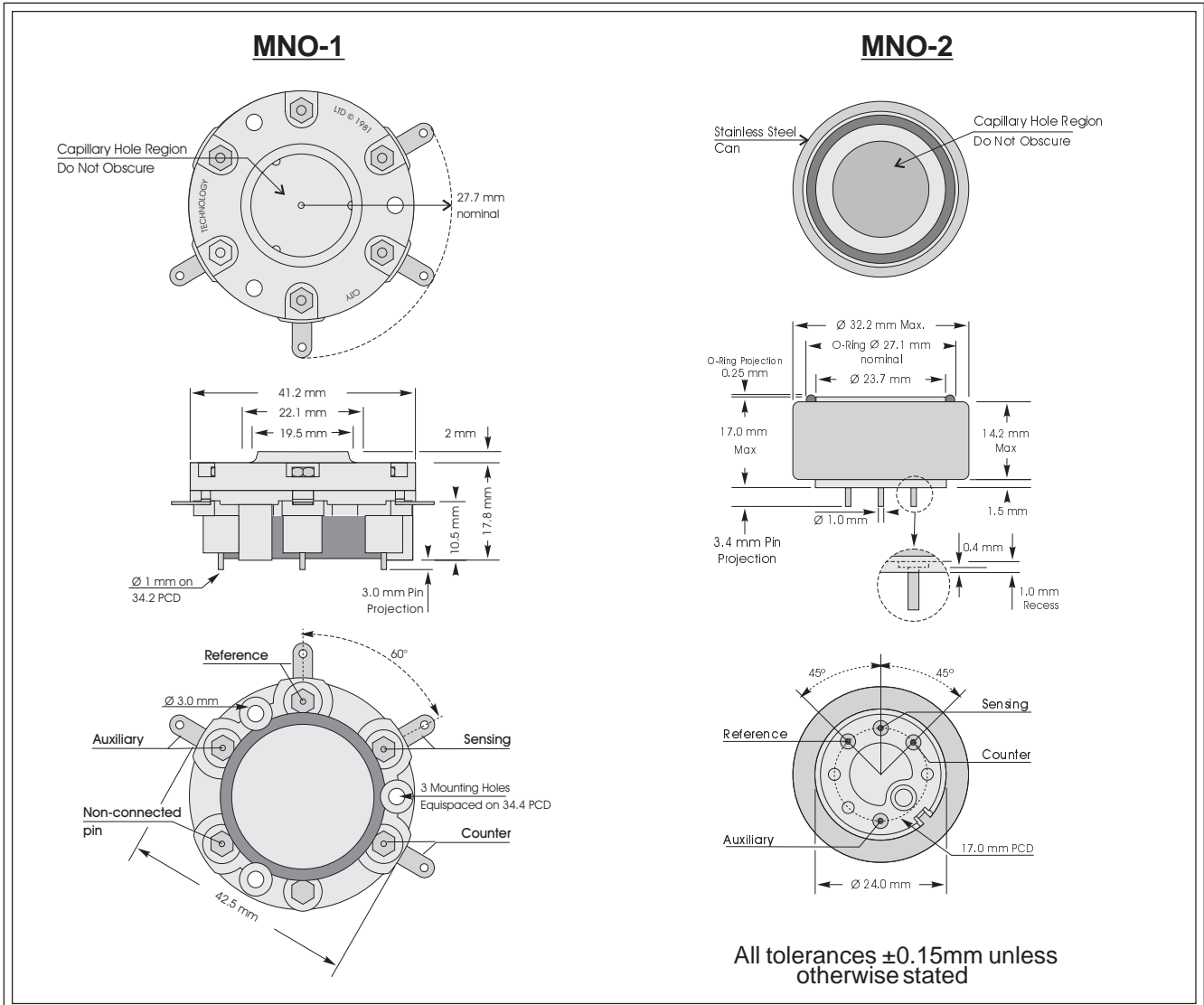
MNO-1 Nitric Oxide MediceL - Output vs Temperature
Gain set at 1.1



MNO-1 Nitric Oxide MediceL - Output vs Temperature
Gain set to 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.