

Midas[®] SENSOR CARTRIDGE SPECIFICATIONS

Nitric Oxide (NO) MIDAS-S-NOX, MIDAS-E-NOX



Gas Measured	Nitric Oxide (NO)
Cartridge Part Number	MIDAS-S-NOX 1 year standard warranty MIDAS-E-NOX 2 year extended warranty
Sensor Technology	3 electrode electrochemical cell
Measuring Range (ppm)	NO 0 – 100ppm
Minimum Alarm 1 Set Point	12.5ppm
Repeatability	< ± 2% of measured value
Linearity	< ± 5% of measured value
Response Time $t_{0.5}$	< 15 seconds
Sensor Cartridge Life Expectancy	≥ 24 months under typical application conditions
Operating Temperature	0°C to +40°C (32°F to 104°F)
Effect of Temperature	< ± 0.09ppm / °C (0°C to 30°C)
Zero	< ± 0.17ppm / °C (30°C to 40°C)
Sensitivity	< ± 0.5% of measured value / °C
Operating Humidity (continuous)	15 – 90% rH
Effect of Humidity	No effect
Zero	No effect
Sensitivity	< ± 0.5% of measured value / % rH
Operating Pressure	90 – 110kPa
Effect of Position	No effect in typical application
Long Term Drift	No drift
Zero	No drift
Sensitivity	< 2% of measured value / month
Calibration Gas	Nitric Oxide (NO)
Challenge Gas (Bump Test)	Nitric Oxide (NO)
Warm Up Time	< 10 minutes
Storage Temperature	+5°C to +25°C (+41°F to +77°F)

The sensor data listed is based on ideal test environment; observed performance may vary based on the actual monitoring system and the sampling conditions employed

Cross Sensitivities

Each Midas[®] sensor is potentially cross sensitive to other gases and this may cause a gas reading when exposed to other gases than those originally designated. The table below presents typical readings that will be observed when a new sensor cartridge is exposed to the cross sensitive gas (or a mixture of gases containing the cross sensitive species).

Gas / Vapor	Chemical Formula	Concentration applied (ppm)	Reading (ppm NO)
Carbon Monoxide	CO	300	0
Hydrogen Sulphide	H ₂ S	15	1.5
Nitrogen Dioxide	NO ₂	5	< 1.5
Sulphur Dioxide	SO ₂	5	0

Find out more

www.honeywellanalytics.com

Toll-free: 800.538.0363

Please Note:

While every effort has been made to ensure accuracy in this publication, no responsibility can be accepted for errors or omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards, and guidelines. This publication is not intended to form the basis of a contract.

DSA Suppliers

Thank you for reading this. For pricing or further information, please contact us.

W: <https://dsasuppliers.com>

E: sales@dsasuppliers.com

P: +441158390391

Leading UK Supplier
Brand New & Genuine OEM Parts
Delivered Worldwide



Worldwide Delivery



1000+ Genuine Parts & Equipment

Please Note - The information, product designs & specifications in this document are subject to change without notice.
DSA Suppliers is not responsible for determining the suitability of this product.