Product Data Sheet

P/N : GS+4NO

GS+4NO

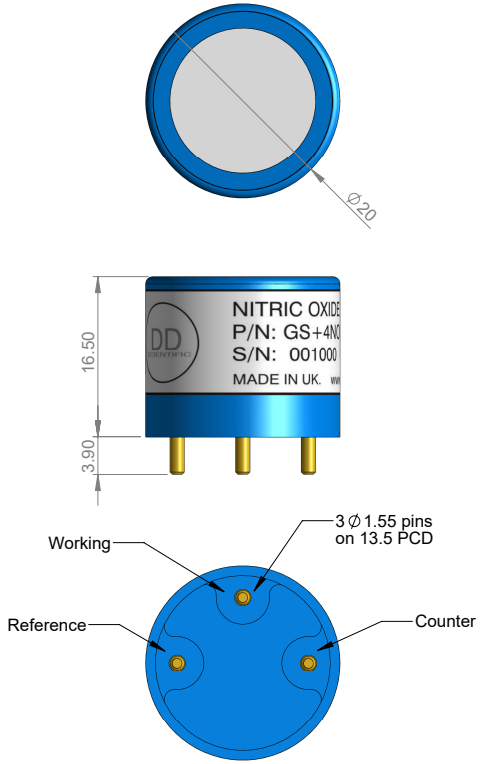
Nitric Oxide Sensor (NO)

Introduction The GS+4NO is a premium industrial NO sensor, ideal for portable and fixed gas detectors.

Key Features: high stability, fast response and recovery, robust environment performance, cost effective.

Performance Characteristics	
Output signal	400 ± 100 nA / ppm
Typical Baseline Range (pure air)	0 to 2 ppm NO equivalent
T90 Response Time	< 15 seconds
Measurement Range	0 - 250 ppm
Maximum Overload	1000 ppm
Linearity	Linear
Repeatability	< ±2% NO equivalent
Recommended Load Resistor	10 ohms
Resolution (Electronics dependent)	0.5 ppm typical
Bias Voltage	+300 mV

Environmental Details	
Temperature Range Continuous	-30°C to +50°C
Pressure Range	800 to 1200 mbar
Operating Humidity Range	15% to 90% RH



Product Dimensions
All dimensions in mm
All tolerances ±0.15 mm

Important Note:
All performance data is based on conditions at 20°C, 50%RH and 1 atm, using DD Scientific recommended circuitry.

Sensor performance is temperature dependent, and please contact DD Scientific for temperature performance other than 20°C.

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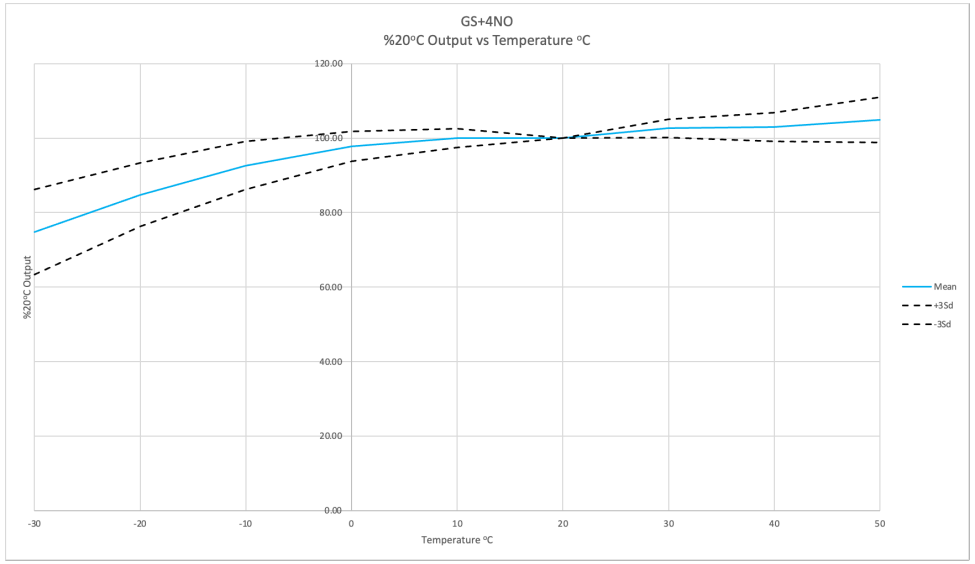
Lifetime Details	
Long Term Output Drift	< 20% per annum
Recommended Storage Temp	0ºC to 20ºC
Expected Operating Life	> 12 months in air
Standard Warranty	12 months from date of dispatch



Cross - Sensitivity Data		
GAS	CONC.	GS+4NO
Carbon Monoxide	200 ppm	0 ppm
Sulphur dioxide	20 ppm	0 ppm
Nitrogen Dioxide	20 ppm	0 ppm
Hydrogen Sulphide	25 ppm	< 10 ppm

Poisoning:
DD Scientific sensors are designed to operate in a wide range of harsh environments and conditions. However, it is important that exposure to high concentrations of solvent vapours is avoided, both during storage, fitting into instrument and operation.
When using sensors on printed circuit boards (PCB's), degreasing agents should be used prior to the sensor being fitted.

Please note gluing or soldering direct to the pins of DD Scientific Ltd gas sensors will void warranty, please use PCB sockets when connecting DD Scientific sensors.

Intrinsic Safety Data	
Maximum at 2000 ppm	0.3 mA
Maximum o/c Voltage	1.3 V
Maximum s/c Current	<1.0 A