

**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.

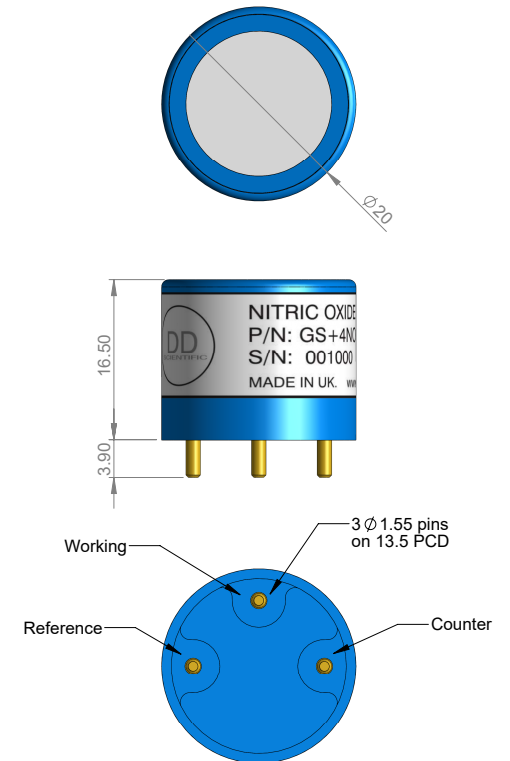
Performance Characteristics	
Output signal	400 ± 100 nA / ppm
Baseline Range (clean air)	0 to 2 ppm NO equivalent
Baseline Offset Shift (+20°C to +40°C)	<4 ppm equivalent
T90 Response Time	< 15 seconds
Measurement Range	0 - 250 ppm
Maximum Overload	1000 ppm
Linearity	Linear
Repeatability	< ±2% NO equivalent
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

**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.



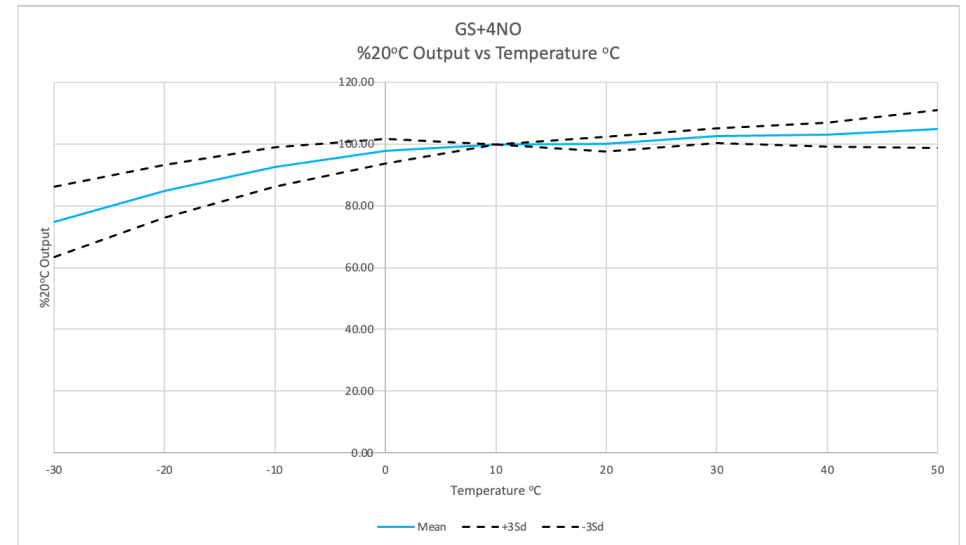
**Product Dimensions**

All dimensions in mm  
All tolerances ±0.15 mm

Lifetime Details	
Long Term Output Drift	< 20% per annum
Recommended Storage Temp	0°C to 20°C
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	< 10ppm

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



**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

**WARNING:** By the nature of the technology used, any electrochemical gas sensor offered by DD Scientific can potentially fail to meet specification without warning. Although DD Scientific Ltd makes every effort to ensure the reliability of our products of this type, where life safety is a performance requirement of the product, we recommend that all sensors and instruments using these sensors are checked for response to gas before use.

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