



Gas Detection (Aust) Pty Ltd

ABN 74 124 402 231

PO BOX 597, Darling Heights, Qld 4350.

Ph: +61 7 4613 5111, Email: sales@gasdetect.com.au

GDA 2627 | Nitrogen Dioxide Gas Sensor with Voltage Output



The GDA 2627 **Nitrogen Dioxide** gas **sensor** is a further enhancement of the GDA 2527 **Nitrogen Dioxide** gas **sensor** that allows **AC and DC** operation. It has an **electrochemical** gas sensing unit which is temperature compensated and easily replaceable.

Designed, manufactured and supported locally in Australia.

The gas sensor element is on a pluggable lead to allow ease of replacement. The carbon monoxide gas sensor electronics are housed in a robust ABS sun tolerant plastic enclosure rated IP65; the sensor head and its electronics are housed in a metal enclosure giving it excellent **RFI and EMC compatibility**. The sensor head is fitted with a splash proof cover giving an IP62 rating. Provides the option of 4-20 mA, 0-10 V, and 0-5 V operation. The additional voltage o/p can be used on BMS systems that use voltage inputs as opposed to current input

- 0-20 ppm Range (Other ranges on request)
- 4-20 mA, 0-5 V or 0-10 V o/p
- **Low cost replaceable gas sensor element**
- Easy to install
- Easy to calibrate (only gas and multimeter required)
- ABS sun tolerant IP66 housing (sensor element IP62)



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- **Australian** Factory Certificate of Calibration

Made in Australia and Supported in Australia

Dimensions





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Specifications

Detectable Gases	Nitrogen Dioxide (NO ₂)
Detectable Gas Ranges	0-20 ppm
Power Requirements	+24 VDC
Output Types	4-20 mA, 0-5 V, 0-10 V (user configurable)
Power Consumption	<25 mA @ 24 VDC
Output Specifications	Max loop impedance 1K
Connection	3 pin plug connector
Wiring	2 core 18 AWG with overall screen
Operating Temperature	-10 - 40°C
Operating Humidity	15% to 90% RH peak non condensing
Accuracy of Reading	0.5% of reading + 1% FSD
Warm Up Time	30 seconds
Response Time	T90 = 45 seconds at STP
Zero Drift	< 0.1% / 30 days
Calibration Drift	< 0.25% / 30 days at STP
Sensor Technology	Electrochemical Cell
Calibration Requirement	Annually if sensor operated at STP
Dimensions	122 x 84 x 62 mm (L, W, D)



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Enclosure Material	ABS plastic
Enclosure Rating	IP65 with sensor element IP62
Cable Entry	2 x 20 mm top entry



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Implementation

