



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 3100 | Refrigerant Gas Detector Now Available for HFO's (R514a, R1234yf etc)



This detector detects generally used **refrigerant** gases (R22, R123, R134a, R404, R407, R410 etc) in the range **0-1000ppm**. Each detector is calibrated to a specific gas type. It has a configurable analog output, 4-20 mA; 0-20 mA; 0-5 V; 0-10 V. There is also a **volt free relay** which can be user programmed to operate anywhere within the sensor range. The unit is powered from 24 VDC.

DESIGNED, MANUFACTURED and SUPPORTED by GAS DETECTION AUSTRALIA.

- Standalone system or 4-20 mA o/p sensor or both
- User definable alarm point (relay operation)
- 1 SPCO alarm relay (voltage free)
- User selectable 4-20 mA or 0-20 mA 0-5 V 0-10 V o/p
- 24 VDC operation
- Robust housing IP62
- Easy to install
- Calibration required every 3 years with 6 monthly functional tests
- **Australian** Factory certificate of Calibration

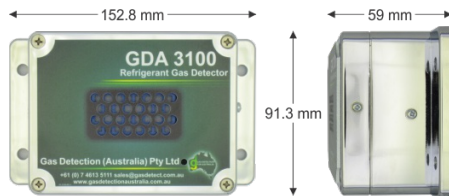


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Dimensions





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Specifications

Detectable Gases	Refrigerant (R22, R123, R134a, R404, R407, R410 etc) HFO's (R514a, R1234yf etc)
Detectable Gas Ranges	0-1000 ppm
Operating Voltage	+12-32 VDC (24 VDC Recommended)
Output Type	0-20 mA, 4-20 mA, 0-5 V, 0-10 V (4-20 mA Default)
Output Specifications	4-20 mA max 1K at 24 VDC supply (4-20 mA); Voltage: i/p Z for voltage o/p options 10K > Relay NC NO Comm. 1A; 240 VAC
Power Consumption	<300 mW (average)
Connection	4 pin plug connector and 3 screw down Relay contacts NC, NO, Comm (volt free)
Wiring	3 core cable with overall screen, Screen to be connected to earth at control unit end only
Operating Temperature	-20 to 40°C (applications below 10°C low temperature version required Order No. 3100-0x-LT)
Operating Humidity	5% to 95% RH peak non condensing
Accuracy of Reading	1% Full scale
Warm Up Time	<2 minutes, Sensor Accurate After: <30 minutes
Response	Approx. 30secs



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Time

Zero Drift	$\leq 2\%$ Full scale p.a
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Calibration Drift	$\leq 2\%$ Full Scale p.a
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Sensor Technology	Non Dispersive Infra-Red (NDIR), Dual Wavelength
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Calibration Requirement	2 years
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Dimensions	153 x 95 x 60 mm (L, W, D) Mounting holes 135 x 52 mm
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Enclosure Material	ABS Plastic
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Cable Entry	2 x 20 mm top and left hand entries pre-drilled
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Implementation

