

GDA 4350: Carbon Dioxide Gas Sensor



- ✓ Reliable and Robust Sensor
- ✓ Easy Installation
- ✓ Local Technical Support



The GDA 4350 is a 3 wire Non Dispersive Infra-red (NDIR) Carbon Dioxide sensor. It gives a 4-20 mA, 0-20 mA, 0-5 V or 0-10 V o/p over the range of the sensor. Housed in an IP60 ABS plastic case with an aperture for the gas path. It uses the latest laser LED to give reliable performance over it's 10 year lifespan. There is a low temperature version (suffix LT) which operates from - 25°C to 30°C. Flush mount, Standalone and sampling system versions available.

- 3 wire 4-20 mA, 0-20 mA, 0-5 V or 0-10 V o/p
- Highly selective, Infra-red sensor. (Not affected by other gases)
- No false alarms due to other gases
- Calibration required every 3 years with 6 monthly functional tests
- Over 10 year lifespan in standard operating environment
- Australian Certificate of Calibration

Specifications

Detectable Gases	Carbon Dioxide (CO ₂)
Detectable Gas Ranges	2,000 ppm; 10,000 ppm; 5% vol; 20% vol; 100% vol
Power Requirements	24 VDC
Output Types	4-20 mA, 0-20 mA, 0-5 V or 0-10 V
Power Consumption	<30 mA @ 24 VDC
Output Specifications	max loop Impedance 800R @ 24 VDC
Wiring	3-wire (0.75mm ²) with overall screen
Operating Temperature	5°C to +45°C (LT version to -20°C to +45°C)
Operating Humidity	5% to 95% RH peak non condensing
Operating Pressure	900 - 1100 mbar
Accuracy of Reading	+/- 2% FSD +/- 0.5% reading at SATP
Warm Up Time	<30 sec
Response Time	<20 sec
Zero Drift	<0.5% FSD for 90 days at SATP
Calibration Drift	<0.5% FSD for 90 days at SATP
Sensor Technology	Non Dispersive Infra-Red (NDIR)
Calibration Requirement	Every 3 years with 6 monthly functional tests if operated at SATP
Warranty	12 months from date of dispatch
Dimensions	115 x 130 x 71 mm (L, W, D) Mounting holes 105 x 75 mm
Enclosure Material	ABS plastic
Cable Entry	User Provided

Ordering Information

Part Number	Detection Range
4350-01	0-2,000 ppm Carbon Dioxide detector
4350-02	0-10,000 ppm (1% vol) Carbon Dioxide detector
4350-03	0-5% vol Carbon Dioxide detector
4350-04	0-20% vol Carbon Dioxide detector
4350-06	0-100% vol Carbon Dioxide detector
Other Ranges Available On Request	

Optional

Part Number	Description
4350-##-LT	Suffix for Low Temperature Version -25°C to 45°C
GC02-01	GDA 3100, 4300, 7200 Series Calibration Assembly