

GTA-65 Series

Sensor & 4-20mA Transmitter



Tamper proof construction

GasTech large range of standard sensors

RFI/EMI Resistant powder coated protective case

Gas concentration indicator

MTBF 10 years on electronics

10-30VDC operation

4-20mA source output

In built automatic sensor test with indication and confirmation (BIT)

-20° C to +50° C operating temp

GasTech Australia has used the latest electrochemical technology for the detection of a large number of gas in ppm and ppb levels.

The GasTech's unique CO sensor has a built in generator cell which will generate a small amount of interference gas over the sensor giving the user a confidence check that the sensor and system is operating as required.

The Built In Test (BIT) is simply activated by placing a magnet between "GAS TYPE" and "RANGE" on the front cover until the green LED starts to brighten. If the BIT is successful and everything is working correctly the green LED will change to Red for a few seconds then returns to Green for normal operation. This gives the user indication that the BIT was successful. Once the test is complete the green LED will dim and the sensor will return to normal operation within 60 seconds. This feature is only compatible with our CO sensors.

Simple user friendly calibration procedure for routine calibrations

Industry standard 4-20mA output

Housed in a die cast, powder coated, EMI/RFI resistant housing.

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Sensor & 4-20mA Transmitter Specifications

Range of Gases Detected	Ammonia (NH ₃) 0 to 100 ppm	in 1 ppm increments	65-1001-NH3
	Carbon Monoxide (CO) 0 to 5000 ppm	in 1 ppm increments	65-1001-CO
	Chlorine (CL ₂) 0 to 10 ppm	in 0.1 ppm increments	65-1001-CL2
	Hydrogen (H ₂) 0 to 100 ppm	in 0.5 ppm increments	65-1001-H2
	Hydrogen Cyanide (HCN) 0 to 50 ppm	in 1 ppm increments	65-1001-HCN
	Hydrogen Sulfide (H ₂ S) 0 to 200 ppm	in 1 ppm increments	65-1001-H2S
	Hydrogen Chloride (HCL) 0 to 200 ppm	in 1 ppm increments	65-1001-HCL
	Nitric Oxide (NO) 0 to 100 ppm	in 1 ppm increments	65-1001-NO
	Nitrogen Dioxide (NO ₂) 0 to 10 ppm	in 0.1 ppm increments	65-1001-NO2
	Phosphine (PH ₃) 0 to 1 ppm	in 0.01 ppm increments	65-1001-PH3
	Sulfur Dioxide (SO ₂) 0 to 10 ppm	in 0.1 ppm increments	65-1001-SO2
	Ethylene Oxide (ETO) 0 to 20 ppm	in 0.1 ppm increments	65-1001-ETO
	Ozone (O ₃) 0 to 2 ppm	in 20 ppb increments	65-1001-O3
	Oxygen (O ₂) 0 to 25%	in 0.1 %Vol increments	65-1001-O2

Specifications

Analog Output	4-20mA
Indication	Green LED brightens on increasing gas level
Over range indication	Red LED
Relay Outputs	One user adjustable SPDT (option)
Input Power	10-30VDC (16-30VDC relay unit)
Response Time	90% full scale response in less than 60 seconds
Operating Temperature	-20°C to +50°C
Humidity Range	10-95% non condensing
Accuracy	±5% of reading
Repeatability	±1% of reading
Drift	Less than 5% signal loss per year
Weight	450g
Dimensions	115mm x 90mm x 55mm
Enclosure	IP65
Warranty	2 Years on sensor and electronics

Distributed By

GasTech Australia Pty Ltd
24 Baretta Rd
Wangara Western Australia 6065
Tel 1800 999 902
Fax 1800 999 903
<http://www.gastech.com.au>

The logo for GasTech Australia, featuring the word "GASTECH" in a large, bold, sans-serif font with a stylized blue and grey graphic element above the 'A'. Below it, the word "AUSTRALIA" is written in a smaller, spaced-out, all-caps font.