



HGSU-CO 2-10v CO SENSOR

REPLACES PREVIOUS
MODEL HGS-CO

CARBON MONOXIDE (CO) 3 WIRE 2-10vDC O/P SENSOR SELECTABLE RANGE : 0 - 100, 150, 200 & 300 ppm

Features

- Australian Manufactured using High Quality 3rd party replaceable CO cell.
- CO cell complies with all relevant standards with international compliance.
- L.E.D Indication of output and fault status
- Easy Site Calibration with ZERO and GAIN potentiometers.
- Test plug for forced 100 % and Fault mode Output tests.
- Selectable ppm O/P range
- Choice of cable entry : Top, Bottom or Rear.
- **Ideal Universal 2-10v O/P type CO service replacement sensor**

Use

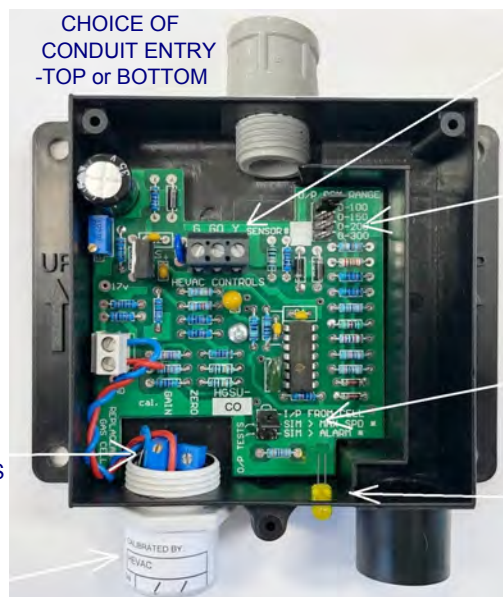
The HGSU-CO is primarily designed as a Carpark Carbon Monoxide monitoring sensor for connection to most brands of CO Controllers accepting 2-10vdc input signals. Hevac also manufacture a CO/NO2 controller model HCP7 which accepts upto 7 of the HGS series sensor's, and using EXP7 expansion modules, up to a total of 42 sensors. The sensor is a 3 wire connection powered by 24V AC or DC voltage and produces a 2 to 10 volt DC output signal over the selectable output range of upto 0 to 300 ppm CO. The sensor is marked with a signed calibration date sticker & certificate of compliance. Hevac recommend a 12 month recalibration period. This sensor is an idea service fan stock universal replacement CO sensor to replace other brand failed 3 wire 2-10vdc sensors (*but care must be taken that sensors are not subject to extreme heat or moisture whilst in storage*).



Made in Australia
100% Australian Owned Company

Technical Data

General Specifications	Operating Voltage	24 Volts AC or DC	
	Power Consumption	24 DC Volts	30 mA
		24 AC Volts	0.5 Va
	Re Calibration Period	12 months	
Output values over selectable range (maximum cell measurement is 150ppm so maximum output is proportional to selected range).	0-100ppm	0.080v per 1ppm	2 - 10vdc (Max. O/P@ 100ppm)
	0-150ppm	0.0533v per 1ppm	2 - 10vdc (Max. O/P@ 150ppm)
	0-200ppm	0.040v per 1ppm	2 - 8.0vdc (Max. O/P@ 150ppm)
	0-300ppm	0.0266v per 1ppm	2- 6.0vdc (Max. O/P@ 150ppm)
Environmental Conditions	Operation		
	Ambient Temperature	0...40oC	
	Humidity	< 90 % RH (Non Condensing)	
	Storage and Transport		
	Ambient Temperature	<i>recommended</i> 10...30oC	
	Humidity	<i>recommended</i> < 75 % RH	
Product Standards	As per Australian standards.		
Weight	Including Packaging	150 grams	
Housing	Colour	BLACK	
	Material	ABS POLYCARBONATE	
	UV Stabilised	YES	
	Fire Retardant	YES	
	Size	H122mm x W98mm x D35mm	
	Mounting Method	Wall mount 4 screw locations	



Terminal Designations

- G 24 Volt Supply Active AC or DC
- G0 24 Volt Neutral (ground)
- Y 2-10VDC Signal Out

SELECTABLE OUTPUT RANGE 100,150,200 or 300 ppm
Factory default=100ppm to suit Hevac HCP7F)

TEST PLUG. Use to short pins for simulated CO levels to cause either 100% fan speed output or over scale sensor fault output that triggers fault mode causing 100% O/P & full alarm outputs.

FLASHING YELLOW LED INDICATES CO LEVELS ABOVE 15ppm or SENSOR FAULT MODE.