

Carbon Monoxide Transmitter & Sensor

Gas Detection for Life

R99-2003-RKCO



Features

- Water/dust resistant housing
- Sensor and Amplifier
- Long life sensors
- Competitively priced
- Compact design

Applications

- Water & wastewater treatment plants
- Pulp & paper mills
- Gas, telephone & electric utilities
- Parking garages
- Manufacturing facilities
- Loading Docks

The RKI Carbon Monoxide transmitter is a highly reliable and very cost effective 4-20 mA transmitter for the detection of carbon monoxide gases. The electronics are protected inside aluminium cast enclosure to avoid damage from mechanical abuse, water, dust or corrosion. Sensors for CO are long life and typically last 3 - 5 years.

The transmitter operates from 24 VDC (18VDC to 30 VDC), and provides a 4-20 mA signal which. This allows the sensor to be connected directly to the Beacon Controller series. The Carbon Monoxide transmitter can be used either indoors or in outdoor areas.

The only tools required to calibrate the low cost CO transmitter are a multimeter, screwdriver, and calibration gas. The zero and calibration functions are performed by adjusting on the amplifier board. The amplifier board has test jacks for the connection of an ammeter for calibration purposes. The sensor response is viewed on the multimeter as a milliamp signal. Field calibration can be performed easily and quickly by one person.

Specifications:

Sensor Type	Electrochemical	Temperature range	-10°C to 50°C
Measuring range	0 - 150 ppm	Humidity range	0% to 95% non-condensing
Resolution	1ppm	Connections	2 Core, shielded, 1.5 mm
Linearity	± 5% F.S.	Operating Voltage	18 to 30 VDC
Response time	Less than 60 sec to 90% of gas applied	Output	4 – 20mA
Life Expectancy	3 to 5 Years normal service	Maximum Current Draw	24mA (2-wire system)
		Enclosure	IP66, Powder coated anodised Aluminium

AUSTGAS Instrument Services Pty Ltd

13 Greer St
Bonnyrigg Heights NSW 2177
AUSTRALIA

Phone: +61 2 9823 2551
Fax: +61 2 9822 9284
Mobile: +61 451 304 884
Email: austgas@hotmail.com



RIKEN KEIKI