



**Edinburgh
Sensors**
Experts in Gas Detection

Infrared gas sensors: Guardian Range
ZERO CALIBRATION KIT
For Guardian NG CO₂ Monitors



**FAST
ACCURATE
RELIABLE**

KEY FEATURES

- No calibration gas required
- Compatible with all CO₂ versions of Guardian NG
- Zero correction can increase servicing intervals
- Reduced Gas Cylinder Handling

A NEW GENERATION OF GAS SENSORS

The long term drift in calibration of a Guardian® NG NDIR gas monitors is due to a variety of ageing factors most of which result in a small change in the relative strength of the IR signals reaching the detectors. This produces a very slow drift in the zero reading.

Due to the nature of the detection process this zero offset produces a much greater calibration error at higher concentrations than at zero. Both offsets are generally fixed by correcting the zero indication.

The CO₂ Zero Calibration Kit for the Guardian® NG wall mounted monitor provides a convenient alternative to bottled gas for the checking of zero offsets and if necessary, zero calibration.

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TECHNICAL SPECIFICATIONS
GAS MEASUREMENT RANGE

MODEL	CO ₂
Compatible Ranges	0-3000ppm 0 -1% 0 - 3% 0-10% 0 - 30% 0-50% 0-100%
Inlet CO2 Concentration	0 - 1000ppm
Outlet CO2 Concentration	<10ppm
Operating Temperature	0 - 45°C
Operating Pressure	800 - 1150mbar
Power Requirements	None
Expected Life	>1000 calibration checks
End of Life Indication	Colour change from Green to White
Spare Parts	Replacement CO ₂ absorption cell

PRODUCT APPLICATIONS

- TOC
- Personal Safety
- laq
- Brewing
- Biogas
- Landfill
- Horticulture
- And Many More...



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