

Infrared gas sensors: **Guardian Range**  
**ZERO CALIBRATION KIT**

For Guardian NG CO<sub>2</sub> Monitors



**FAST**  
**ACCURATE**  
**RELIABLE**



## KEY FEATURES

- No calibration gas required
- Zero correction can increase servicing intervals
- Compatible with all CO<sub>2</sub> versions of Guardian NG
- 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 CO<sub>2</sub> 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 <sub>2</sub>
	0-3000ppm
	0 -1%
	0 - 3%
<b>Compatible Ranges</b>	0-10%
	0 - 30%
	0-50%
	0-100%
<b>Inlet CO2 Concentration</b>	0 - 1000ppm
<b>Outlet CO2 Concentration</b>	<10ppm
<b>Operating Temperature</b>	0 - 45°C
<b>Operating Pressure</b>	800 - 1150mbar
<b>Power Requirements</b>	None
<b>Expected Life</b>	>1000 calibration checks
<b>End of Life Indication</b>	Colour change from Green to White
<b>Spare Parts</b>	Replacement CO <sub>2</sub> absorption cell

## PRODUCT INFORMATION

- TOC
- PERSONAL SAFETY
- IAQ
- BREWING
- BIOGAS
- LANDFILL
- HORTICULTURE
- AND MANY MORE...

All specifications are believed to be correct at the time of publication, Edinburgh Sensors does not accept liability for any errors or omissions. Due to our continuous product development all specifications are subject to change without prior notice.

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