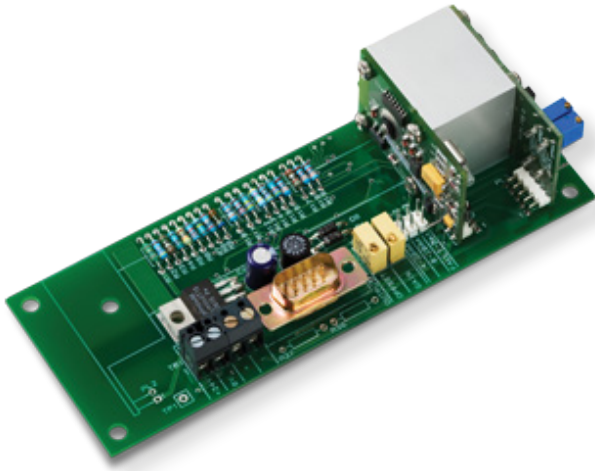


**Edinburgh  
Sensors**  
Experts in Gas Detection

Infrared gas sensors: Gascheck Range

**GASCHECK**

For Low Cost CO<sub>2</sub> Detection



**FAST  
ACCURATE  
RELIABLE**

## KEY FEATURES

- Analogue Electronics
- Single Channel
- Long Term Stability
- Robust Construction
- Gold Plated Optical Reflector
- Solid Aluminium

## A NEW GENERATION OF GAS SENSORS

The Gascheck Infrared Gas Sensor Range, supplied by Edinburgh Sensors offers high performance, cost effective detection and measurement of CO<sub>2</sub> with a choice of pumped or diffusion aspiration technology to provide accurate and reliable determination of CO<sub>2</sub> gas concentrations.

The Gascheck family includes instruments to measure CO<sub>2</sub> in the ranges 0 – 3000ppm, 0-3% and 0-10% by volume. Other features include the option of indicating CO<sub>2</sub> concentration using linear (4-20mA) or non-linear (0 – 1V) signal output.

Originally developed for measuring CO<sub>2</sub> concentrations in laboratory incubators, the Gascheck range has now also been adopted for a wide range of applications where accurate measurement of CO<sub>2</sub> is required, but with the benefits of low cost and compact design.

Infrared gas sensors: Gascheck Range

# GASCHECK

For Low Cost CO<sub>2</sub> Detection

## TECHNICAL SPECIFICATIONS GAS MEASUREMENT RANGE

<b>MODEL</b>	<b>CO<sub>2</sub></b>
<b>Diffusion</b>	0 - 3000ppm
<b>Pumped</b>	0 - 3000ppm 0 - 3 % 0 - 10%
<b>Accuracy</b>	±3% of range*
<b>Zero Stability</b>	±3% of range (over 12 months)
<b>Repeatability @ Zero</b>	±0.5% of range
<b>Repeatability @ Span</b>	±1.5% of range
<b>Response Time</b>	T90 = 30 seconds (pumped versions), T90 = 260 seconds (diffusion versions)
<b>Operating Temp</b>	0 - 45°C
<b>Operating Pressure</b>	Calibrated for 1013mbar
<b>Power Requirements</b>	15V DC (24V DC for linearised versions)
<b>Power Consumption</b>	0.9W
<b>Warm-up time</b>	5 minute (initial) 30 minutes (full specification)
<b>Humidity</b>	Measurements are unaffected by 0-95% relative humidity, non-condensing
<b>Output</b>	0-1V (non-linear), 4 - 20mA (linear version)

\*Not including calibration gas tolerance

## PRODUCT APPLICATIONS

- Personal Safety
- Process Control
- Compressed Air
- Horticulture
- Fruit Storage
- Many More...



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