

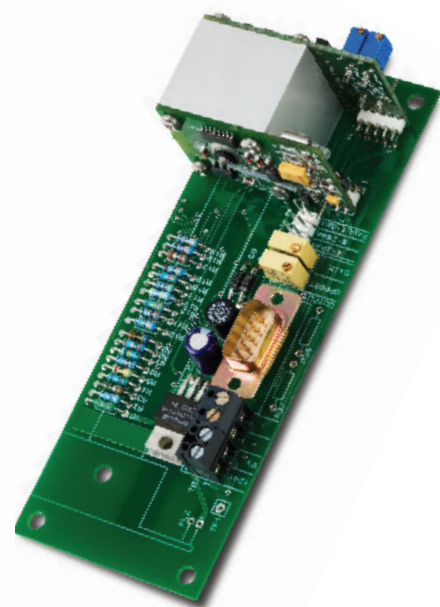
Infrared gas sensors: **GASCHECK RANGE**

GASCHECK

FOR LOW COST CO₂ DETECTION



EDINBURGH
SENSORS



KEY FEATURES

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

A NEW GENERATION OF GAS SENSORS | FAST, ACCURATE AND RELIABLE

The Gascheck Infrared Gas Sensor Range, supplied by Edinburgh Sensors offers high performance, cost effective detection and measurement of CO₂, with a choice of pumped or diffusion aspiration technology to provide accurate and reliable determination of CO₂ gas concentrations.

The Gascheck family includes instruments to measure CO₂ in the ranges 0 – 3000ppm, 0-3% and 0-10% by

volume. Other features include the option of indicating CO₂ concentration using linear (4-20mA) or non-linear (0 – 1V) signal output.

Originally developed for measuring CO₂ concentrations in laboratory incubators, the Gascheck range has now also been adopted for a wide range of applications where accurate measurement of CO₂ is required, but with the benefits of low cost and compact design.

TECHNICAL SPECIFICATIONS

GAS MEASUREMENT RANGE

MODEL	CO ₂
Diffusion	0 - 3000ppm
Pumped	0 - 3000ppm 0 - 3 % 0 - 10%
Accuracy	±3% of range*
Zero stability	±3% of range (over 12 months)
Repeatability @ Zero	±0.5% of ranges
Repeatability @ Span	±1.5%
Response Time	T ₉₀ = 30 seconds (pumped versions), T ₉₀ = 260 seconds (diffusion versions)
Operating Temp	0 - 45°C
Operating Pressure	Calibrated for 1013mbar
Power Requirements	15V DC (24V DC for linearised versions)
Power Consumption	0.9W
Warm-up time	5 minute (initial) 30 minutes (full specification)
Humidity	Measurements are unaffected by 0-95% relative humidity, non-condensing
Output	0-1V (non-linear), 4 - 20mA (linear version)

* Not including calibration gas tolerance

GASCHECK PRODUCT APPLICATIONS:

- PERSONAL SAFETY
- HORTICULTURE
- PROCESS CONTROL
- FRUIT STORAGE
- COMPRESS AIR
- Many more



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