Electro Optical Components, Inc.
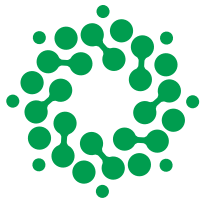
5464 Skylane Boulevard, Suite D, Santa Rosa, CA 95403

Toll Free: 855-EOC-6300

www.eoc-inc.com | info@eoc-inc.com
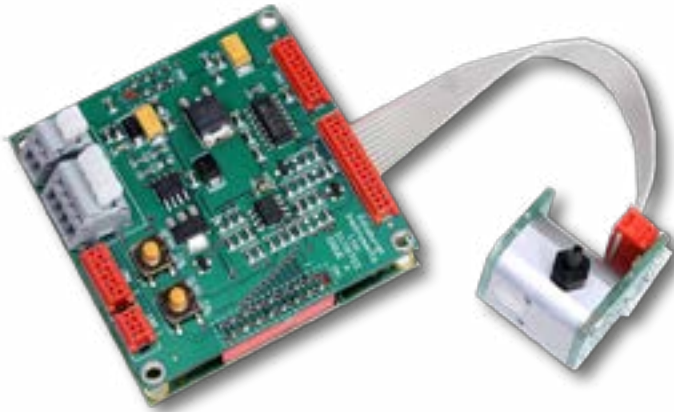
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Edinburgh Sensors

Experts in Gas Detection

Infrared gas sensors: IRgaskiT Range

IRGASKIT

For CO_2

F A S T

A C C U R A T E

R E L I A B L E

KEY FEATURES

- Flexible compact modular design

- Separate sensor, processing and signal conditioning electronics

- Easy to use digital communication

- Dual wavelength technology, long term stability

- PC based software for graphing and data logging

- Simultaneous analogue current and voltage outputs

A NEW GENERATION OF GAS SENSORS

The IRgaskiT® range of dual-beam infrared sensors, offer users high performance, true dual-beam detection infrared, temperature compensated measurement of CO2 The result is a low drift, high accuracy OEM sensor with single button calibration and optional simultaneous voltage and current outputs.

Each module of the IRgaskiT® has been designed to allow the user maximum flexibility when choosing a solution that meets their application requirements.
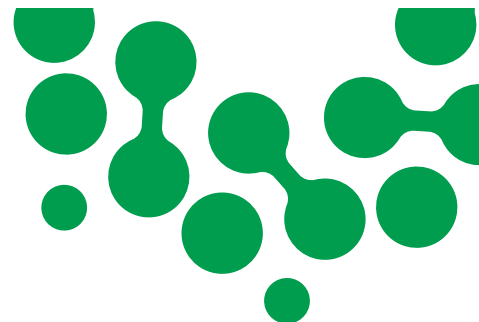
Digital communications are easy to utilize and IRgaskiT® PC data logging software is also available. The infrared gas sensor offers these features with the further advantages of a very compact design and low cost.

The IRgaskiT® design is ideal for a wide variety of applications particularly where space and low power consumption are important issues.

Infrared gas sensors: IRgaskiT Range

IRGASKIT

For CO_2

TECHNICAL SPECIFICATIONS
GAS MEASUREMENT RANGE

MODEL	CO_2
IRgaskiT	0-10% 0-20% 0-30% 0-50% 0-100%
Accuracy	± 5% of range*
Zero Stability	± 5% of range (over 12 months)
Repeatability @ Zero	±1% of range
Repeatability @ Span	±3% of range
Response Time	T90 = 300 seconds
Operating Temp	0 - 50 °C (Sensors can withstand 90 °C in standby mode)
Operating Pressure	1013mbar (calibration) requires pressure correction at other pressures
Power Requirements	5V DC/ 7 - 13VDC depending on configuration
Power Consumption	0.9W
Ouput Signal	0 - 2V (linear); (Optional simultaneous 4 - 20mA and digital (RS232) outputs)
Humidity	Measurements are unaffected by 0 - 95% relative and humidity, non condensing
Weight	125g
Controls	Zero and Span recalibration buttons (optional)

*Not including calibration gas tolerance

PRODUCT APPLICATIONS

- Personal Safety
- Research
- Incubators
- An many more...