



**FAST
ACCURATE
RELIABLE**

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 CO₂

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 |
| Output 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...



4 Bain Square,
Kirkton Campus,
Livingston, EH54 7DQ
United Kingdom

Tel +44 (0)1506 425 300
Fax +44 (0)1506 425 320
sales@edinst.com

edinburghsensors.com