

# Portable IAQ Instruments - GAS DETECTION DATASHEET

## Falcon-II The Affordable IAQ Monitor



The reliable and accurate Falcon-II economical air quality monitor measures temperature and carbon dioxide. The large, easy to read LCD display indicates the measured values for each parameter as well as battery status and other information. The instrument will operate on four AA batteries or continuously from the supplied wall adapter.

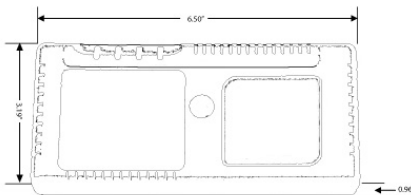
### KEY FEATURES

- » Low cost & easy to use
- » Light weight, handheld device
- » Audible alarm
- » Measures carbon dioxide & temperature
- » Large LCD display
- » Operates up to 80 hours on battery or continuously with wall adapter
- » CE certified

### APPLICATIONS

- » Residential buildings
- » Commercial buildings
- » Hospitals
- » Laboratories
- » Research facilities
- » ... and many more

### TECHNICAL DRAWING



### SAMPLE ENGINEERING SPECIFICATIONS

Coming soon...

### TECHNICAL SPECIFICATIONS

#### GAS TYPE

Carbon Dioxide (CO<sub>2</sub>)

#### MECHANICAL

Enclosure	<i>tbd</i>
Weight	274 g (9.7 oz)
Size	1.0" x 3.2" x 6.5" (24 mm x 81 mm x 165 mm)

#### ELECTRICAL

Power Requirement	160 mA peak, 15 mA average from 6 V
4 x AA alkaline batteries	Up to 80 hours of operation time
6 VDC wall adapter	24/7 continuous operation time
Outputs	100 mA max @ 24 VDC Adjustable set-point, factory setting is 1000 ppm, hysteresis is 50 ppm. One RJ-45 connector.
Memory	Can store 48 sets of CO <sub>2</sub> and temperature readings in the previous 24 hour period; one log per 30 minutes.
Alarms	Will sound at 1000 ppm, the ASHRAE limit. The Alarm Level can be modified, and the alarm sound can be turned off through the instrument menu.

#### SENSOR

Sampling Method	Diffusion or flow through (50-200 ml/min)
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#### ENVIRONMENTAL (sensor dependent)

Operating Temperature	0°C to 50°C (32°F to 122°F)
Humidity	0% to 95% RH non-condensing

#### CERTIFICATION

CE	Certified
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### PRODUCT CODES

Carbon dioxide (CO<sub>2</sub>), temperature, alkaline batteries, NA wall adapter, foam lined cardboard storage box **FALCON-II**

