

ALERT - CO₂

INDOOR CO₂ & TEMPERATURE MONITOR



- Long life NDIR sensor measures carbon dioxide (CO₂) up to 3,000 parts per million (ppm)
- Measures temperature over the range 0 to 50°C
- Max/Min mode
- Alarm mode
- Logs up to 48 readings at 30 minute intervals
- Calculates and displays ventilation rates
- Battery life typically 80 hours 4 x AA
- Supplied with mains adapter
- Fitted with tilt stand for ease of use

LOW COST CO₂ MONITORING

The ALERT-CO₂ provides a low cost method of assessing CO₂ levels and the efficiency of ventilation in offices, public buildings, commercial kitchens and other locations where indoor air quality is important. High levels of CO₂ can cause, drowsiness, headaches or even long term damage. Examples of recommended CO₂ limits include...

- Building Bulletin 101 states that the average CO₂ concentration in classrooms during teaching should not exceed 1,500ppm.
- British Standards BS6896, BS6230 and BS5990 which cover various gas fired heaters state that CO₂ concentrations should not exceed 2,800ppm where people are working.

Other applications for the instrument include monitoring growing conditions in glasshouses and to warn of leaks when CO₂ is stored in pressurised containers in an enclosed area.

SPECIFICATIONS		
	CO ₂ via NDIR sensor	Temperature
Measurement Range	0-3,000 ppm display	0 to 50°C / 32 to 122°F
Display Resolution	1ppm from 0~1,000ppm; 5ppm, from 1,000~2,000ppm; 10ppm from 2,000~3,000ppm over 3000 ppm display shows "Hi"	0.1°C / 0.1°F
Accuracy	±50 ppm, or ±5% of reading	±1°C / ±2°F
Repeatability	±20 ppm	
Temperature Dependence	±0.1% of reading per °C or ±2 ppm per °C, whichever is greater, referenced to 25°C	
Pressure Dependence	0.13% of reading per mm Hg (Corrected via user input for altitude)	
Warm-Up Time	< 60 seconds at 22°C	
Response Time	< 2min for 63% of step change	20-30 minutes (case must equilibrate with environment)
Calibration Interval	12 months.	
Operating Conditions	0 to 50°C, 0 to 95%RH non condensing	
Dimensions	166mm long x 83mm high x 26mm deep	

Warranty

All International Limited products are warranted for 12 months from the date of purchase. This warranty covers any defects in materials or manufacturing.

International Limited specialise in the design, manufacture and marketing of electronic instruments for monitoring and optimising both energy usage and emissions from energy processes. Our policy is to continuously develop and improve our products and so we reserve the right to change any part of our product specifications without prior notice.

