



The ClimaBox3 conveniently monitors temperature, humidity and CO₂ in one convenient instrument.

Data collected by the ClimaBox3 can be used to test and improve substandard ventilation systems in offices, hospitals, schools, public buildings etc. where poor indoor air quality results in complaints from visitors and employees alike. The performance of heating and air handling systems can be analysed to improve the efficiency and/or provide diagnostic data for predicting service intervals.

CO₂ temperature and RH data is also useful in agricultural, plant growth and greenhouse applications and studies.

For convenience the readings are displayed locally on the LCD screen, as is alarm information.

The ClimaBox3 logger reads its on-board sensors to provide accurate and reliable information about environmental conditions. The RH sensor is temperature compensated for more accurate readings at varying temperatures.

The RH and temperature sensors are mounted externally for a better response, the CO₂ sensor is located internally. For the unit to measure accurately, a silent fan draws air in from the ventilation holes on the left hand side of the unit. This air passes across the sensor and out of the ventilation holes on the right hand side of the unit.

The logging interval can be set for any period between 60 seconds and 24 hours, depending on the data requirements. An unlimited delay can be set so that logging only begins when the unit is in situ. The ClimaBox3 has a very impressive 100,000 reading memory, which can either stop logging if it becomes full, or wraparound so that the most recent data is not lost. A unit set to log every 15 minutes will take more than 12 months to fill the memory.

The logger is set-up and downloaded using an integrated software package, which automatically recognises the type of unit connected to the PC via the USB lead.

This range has been designed to comply with the RoHS and WEEE EU directives, and carries the CE mark.

ClimaBox3

Product Code RL5406
Series ClimaBox

Typical Applications

- ° Ventilation studies
- ° Environmental monitoring
- ° Building monitoring & control
- ° Occupancy studies

Instrument

Dimensions: 197 x 106 x 60 mm
Weight: 300 grams
Case Materials: ABS & PC
Memory Capacity: 100,000 readings
Power Supply: External 12V DC
N.B. Instrument storage range -20 to +70 °C in a non-condensing RH environment

CO₂ Sensor

Description: E+E Dual Source Infrared System
Range: 0..4000ppm
Accuracy: ± 50ppm or ± 3% of measured value

Humidity

Operating Humidity Range non-condensing: 0-100%
Accuracy: ± 2%

Temperature

Operating Temperature Range: -10 to +60 °C
Accuracy: ± 0.1 °C

Communications and Software

PC/Logger Interface: Standard USB A/ USB mini-B
PC Software: Hanlog 32USB V4.6 or later
Minimum O/S: Windows NT