

RL5406 ClimaBox transmitter

CO₂ temperature & humidity

Part of the **Hanwell Pro** HL5000 Series, the RL5406 combines temperature, humidity and CO₂ measurement using onboard sensors. The instrument includes LCD display.

Features

- ✓ Combined temperature, humidity & CO₂ measurement
- ✓ LCD display with data readings & battery life
- ✓ Superior performance hardware & high accuracy sensors
- ✓ Easily accessible battery & USB socket
- ✓ Low power radio for long distance transmission, 3 km over open ground
- ✓ Memory capacity of 33,000 readings per channel
- ✓ Up to 18 months battery life
- ✓ Complies with RoHS, EU & WEEE directives
- ✓ Carries CE Marking

Typical Applications

- Ambient air quality within hospitals, patient rooms & schools

Always ask for a long-range signal strength test.



We can prove ours to be unrivalled.



Humidity



Temperature



Carbon Dioxide



Product code: RL5406-434.075 (other frequencies are available)

Instrumentation specification

| | |
|----------------------------|--|
| Dimension | 197 x 106 x 60mm |
| Weight | 300 grams |
| Power supply | External 12V DC |
| Case material | ABS |
| Instrument operating range | -10°C to +60°C in a non-condensing RH environment |
| Memory capacity | 33,000 readings per channel (unit will wrap when full) |

Radio transmitter functions

| | |
|-------------------|---|
| Frequency options | A range of frequencies are available between 433-458MHz. Country specific regulations apply |
| Radio power | 10mW |
| Radio range | 3km over open ground |
| Battery life | Up to 18 months |
| Software required | W900 – Standard EMS Software Package *See EMS datasheet for further options |
| Hardware required | SR2 – Smart Receiver CR2 / CR3 – Controller REP – Repeater |

Technical specifications

| | |
|------------------------------|--|
| CO₂ sensor | E+E Dual Source Infrared System |
| Range | 0...4000ppm* |
| Accuracy | ± 50ppm ± 3% of measured value |
| Temperature sensors | Precision Thermistor |
| Range | -10°C to +60°C |
| Accuracy | ±0.1°C between -10°C and 40°C ±0.3°C outside these extremes |
| Resolution | 0.1°C |
| Humidity sensors | Capacitive Polymer |
| Accuracy | ±3% |
| Resolution | 0.1% |

*10000ppm variant available

Accessories

| | |
|--------------------------|-------|
| 3.7 V AA Lithium battery | 88706 |
| USB Cable | Y055 |

Manufactured by Hanwell | Ellab RoHS

Version 2 - EC190194

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