RL5406 ClimaBox transmitter

CO_2 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.

%RH
Humidity

Temperature

CO₂
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

Ultimate peace of mind MADE IN BRITAIN CE RoHS

Version 1 - EC180092