

RL4512 transmitter

Pro RL4000CO₂ Series

Part of the **Hanwell Pro** RL4000RHT Series, the RL4512 combines CO₂ and temperature using high accuracy external sensors. The instrument includes LCD display and 434.075MHz frequency as standard.

Features

- ✓ Combined CO₂ and temperature measurement
- ✓ LCD display with 50,000 data readings per channel
- ✓ Superior performance hardware & high accuracy sensors
- ✓ Low power radio for long distance transmission (3km over open ground)
- ✓ Complies with RoHS, EU & WEEE directives
- ✓ Carries CE Marking

Typical Applications

- Laboratory incubators

Always ask for a long-range signal strength test.



We can prove ours to be unrivalled.



Carbon Dioxide



Temperature



Radio transmitter

Instrumentation specification	
Dimension (Excl. ancillaries)	110 x 80 x 35mm
Weight	200 grams
Power supply	External 12V DC
Case material	ABS & PC
Battery	3.6V Half AA (The battery should only be used for downloading data from the unit and setting up of the unit.)
Memory capacity	50,000 readings per channel (unit will wrap when full)
Clock accuracy (logging)	20 ppm @ 25°C
IP Rating	IP30
Resolution	0.1°C
Instrument operating range	-20°C to +60°C in a non-condensing RH environment
Storage temperature	-40°C to +60°C

Product code: RL4512-434.075

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
Software required	W900 – Standard EMS Software Package W906 – Validated EMS Software Package *See EMS datasheet for further options
Hardware required	SR2 – Smart Receiver REP – Repeater

Accessories	
Y119	Wall mounting bracket

Ultimate peace of mind **RoHS**

Version 1 - EC180005

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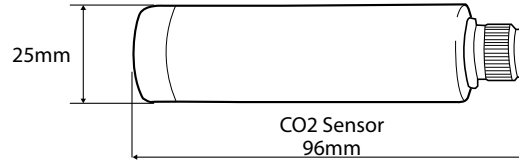
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Sensor options (supplied separately)

External CO2 sensor. Option 1: 0 -5% CO2 Part No. J247-5-02
 Option 2: 0 -10% CO2 Part No. J247-10-02

Accuracy @ 25°C and 1013 PA	±0.1% CO2
Operating Temperature of CO2 Measurement	-40 °C to +60 °C
Temperature Dependence With Compensation, 0 to 20%CO2 between -40°C and +60°C	±0.045% of reading/°C
Long term drift	+/- 0.3% CO2 per year
Recommended Installation	The probe can be installed in an environment with an operating temperature range -40 °C to +60 °C. Make sure the probe is in a location that represents the measurement environment properly.



J095-3-05/J095-5-05 Remote precision thermistor probe (3mtr/5mtr)

Probe operating range	-40°C to +60°C (restricted by instrument operating range)
Accuracy	+/- 0.1°C between -10°C to +40°C +/- 0.3°C outside these extremes
Long term drift	< 0.1°C per year

