

# RL4106 transmitter

## Pro RL4000RH/T Series

Part of the **Hanwell Pro** RL4000RHT Series, the RL4106 combines temperature and humidity measurement using onboard sensors. The instrument includes LCD display and 434.075MHz frequency as standard.

### Features

- ✓ Combined temperature & humidity measurement
- ✓ LCD display with 50,000 data readings per channel & up to 2 years battery life
- ✓ Superior performance hardware & high accuracy sensors
- ✓ Easily accessible battery & USB socket
- ✓ Low power radio for long distance transmission (3km over open ground)
- ✓ Complies with RoHS, EU & WEEE directives
- ✓ Carries CE Marking

### Typical Applications

- Dry storage
- Ambient room conditions

Always ask for a long-range signal strength test.



We can prove ours to be unrivalled.



Temperature



Humidity



Radio transmitter



Product code: RL4106-434.075

### Instrumentation specification

Dimension (Excl. ancillaries)	110 x 80 x 35mm
Weight	200 grams
Power supply	1 x 3.6V AA Lithium battery
Case material	ABS & PC
Memory capacity	50,000 readings per channel (unit will wrap when full)
Clock accuracy (logging)	20 ppm at 25°C
IP Rating	IP30
Instrument measuring range	-20°C to +60°C
Instrument operating range	-20°C to +60°C in a non-condensing RH environment
Instrument storage temperature	-40°C to +60°C
Resolution	0.1°C (temp), 0.1%RH (humidity)

### 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 2 years (dependent on conditions of use and instrument settings)
Software required	W900 – Standard EMS Software Package W906 – Validated EMS Software Package *See EMS datasheet for further options
Software compatibility	<b>EMS</b> - All Versions <b>Synergy</b> - All Versions <b>RadioLog 8</b>
Hardware required	CR2 / CR3 – Controller SR2 – Smart Receiver REP – Repeater

Manufactured by Hanwell | Ellab   RoHS

Version 5 - EC200116

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## Sensor options (supplied with unit)

### Accessories

Y119	Wall mounting bracket
88706	AA Lithium battery

### Internal temperature sensor Precision Thermistor

Operating range	-20°C to +60°C (restricted by instrument operating range)
Accuracy	+/- 0.3°C
Long term drift	< 0.1°C per year

### Fixed humidity sensor Capacitive Polymer

Operating range	10-90% RH non condensing
Accuracy	+/- 3% RH
Temperature dependence	$< (0.025 + 0.0003 \times \text{RH}) [ \% \text{RH} / ^\circ \text{C} ]$

