

# RL4114 transmitter

## Pro RL4000RH/T Series

Part of the **Hanwell Pro** RL4000RHT Series, the RL4114 combines high accuracy temperature and humidity measurement using an EE07 probe. 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

### 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 operating range	-20°C to +65°C in a non-condensing RH environment
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
Hardware required	CR2 / CR3 – Controller SR2 – Smart Receiver REP – Repeater

### Accessories

Y119	Wall mounting bracket
88706	AA Lithium battery
Y421-3	EE Probe extension lead 3 meters
Y421-5	EE Probe extension lead 5 meters

Ultimate peace of mind



RoHS

Version 2 - EC180093

**Disclaimer:** The information contained herein is believed to be reliable. Hanwell Solutions Ltd. is not responsible for any incorrect or incomplete information on this datasheet and the information or product maybe changed without notice. Customers should obtain and verify the latest relevant information before placing orders for Hanwell products.

hanwell.com

Tel: +44 (0)1462 688070 | Email: sales@hanwell.com

# Sensor options (Supplied separately)

## J140 EE07-02 RH/T probe

<b>Temperature Probe</b>	<b>PT1000 (Tolerance class A)</b>
Temperature operating range	-40°C to +80°C (restricted by instrument operating range)
Cable operating range	-40°C to +80°C
Temperature accuracy	+/- 0.1°C at 20°C (see temp accuracy chart)
Long term drift	+/- 0.05°C per year
<b>Humidity Probe</b>	<b>Capacitive Polymer</b>
Recommended range	0-100% RH non condensing
Accuracy	+/- 2% (0-90%) +/- 3% (90-100%)
Temperature dependance	<(0.025+0.0003xRH)[%RH/°C]

Temperature accuracy chart for EE07 probe

