

# RL4114 transmitter

## Pro RL4000RH/T Series

Part of the **Hanwell Pro** RL4000RHT Series, the RL4114 combines highly accurate temperature and humidity measurement using the supplied EE07 probe.

The instrument includes an LCD display and utilises the 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 and UKCA Marking

### Typical Applications

- Dry storage
- Ambient room conditions

Always ask for a long-range signal strength test.



We can prove ours to be unrivalled.



Product code: RL4114-434.075

### Instrumentation specification

Dimension (Excl. ancillaries)	110 x 80 x 35mm
Weight	200 grams
Power supply	1 x 3.6V AA Lithium battery
Battery life	Up to 2 years (dependent on conditions of use and instrument settings)
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

### System Humidity Accuracy (Transmitter Unit + Sensor) with J140 or J223 Probes

Temperature dependence	$< (0.025 + 0.0003 \times RH)[\%RH/^{\circ}C]$
Temperature accuracy	+/- 0.1°C at 20°C (see temperature accuracy chart)
Humidity accuracy	+/- 2% (0 - 90%) +/- 3% (90 - 100%)

### Transmitter Unit

Measuring ranges	-20°C to +60°C if using an integral, onboard, probe -40°C to +60°C if using a compatible external probe, connected via an extension cable
Operating ranges	-20°C to +60°C (in a non-condensing RH environment)
Storage temperature	-40°C to +60°C
Resolution	<b>Temp:</b> 0.1°C <b>RH:</b> 0.1%

### 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
Software compatibility	<b>EMS</b> - All Versions
Hardware required	CR2 / CR3 – Controller SR2 – Smart Receiver REP – Repeater

### Product codes

88706	AA Lithium battery
Y119	Wall mounting bracket
Probe options	<a href="#">Please refer to the Hanwell Pro Sensor datasheet</a>

Manufactured by Ellab Monitoring Solutions



RoHS



Version 8 - EC210068

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# Temperature accuracy chart

Refers to EE07 Probes (J140 and J223)

