

RL4107 transmitter

Pro RL4000RH/T Series

Part of the **Hanwell Pro** RL4000RHT Series, the RL4107 combines temperature and humidity measurement using onboard sensors with the option of connecting a flood probe. The instrument includes LCD display and 434.075MHz frequency as standard.

Features

- ✓ Combined temperature & humidity measurement
- ✓ Damp & leak detection
- ✓ 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
- Damp & leak detection

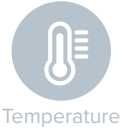
Always ask for a long-range signal strength test.



We can prove ours to be unrivalled.

| 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 |
| 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) |

Note: RH and T only recorded on internal logging, not flood



Product code: RL4107-434.075

| 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 |
| Software compatibility | EMS - All Versions Synergy - All Versions RadioLog 8 |
| Hardware required | CR2 / CR3 – Controller SR2 – Smart Receiver REP – Repeater |



Sensors supplied with unit

Product codes

| | |
|---------------|--|
| 88706 | AA Lithium battery |
| Y119 | Wall mounting bracket |
| Probe options | Please refer to the Hanwell Pro Sensor datasheet |

Internal temperature sensor Precision Thermistor

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

Fixed relative humidity sensor Capacitive Polymer

| | |
|------------------------|----------------------------|
| Operating range | 10-90% RH non condensing |
| Accuracy | +/- 3% RH |
| Temperature dependence | <(0.025+0.0003xRH)[%RH/°C] |

