

RL4116 transmitter

Pro RL4000RH/T Series

Part of the **Hanwell Pro** RL4000RHT Series, the RL4116 combines C-Sense external temperature, EE07-02 relative humidity probe and integral PT1000 temperature sensor. The instrument includes LCD display and 457.600MHz frequency as standard.

Features

- ✓ Combined temperature & humidity measurement
- ✓ LCD display with 33,333 data readings & up to 2 years battery life
- ✓ Superior performance hardware & highly accurate sensors
- ✓ Easily accessible battery & USB socket
- ✓ Low power radio for long distance transmission (approx. 10,000 ft. over open ground)
- ✓ Complies with RoHS to 2011/65/EU (RoHS2) directive and FCC regulation
- ✓ Carries CE and UKCA Marking

Typical Applications

- Dry storage
- Ambient room conditions
- Fridge and freezer (using remote probe)

Instrumentation specification

Dimensions	4.3 x 3.1 x 1.4 in. (Excl. ancillaries)
Weight	7.1 oz.
Power supply	1 x 3.6V AA Lithium battery
Case material	ABS & PC
Memory capacity	33,333 readings (unit will wrap when full)
Clock accuracy (logging)	20 ppm at 77°F
IP Rating	IP30

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

Temperature dependence	<(0.025+ 0.0003 x RH) [%RH/((°F-32)*5/9)]
Temperature accuracy	+/- 0.2°F at 68°F (see temperature accuracy chart)
Humidity accuracy	+/- 2% (0 - 90%) +/- 3% (90 - 100%)

System Temperature Accuracy (Transmitter Unit + Sensor) with Y300, J095, J254 or Y306 Probes

Temperature accuracy	+/- 0.2°F between 14°F to +104°F +/- 0.6°F outside these extremes
Long term drift	< 0.2°F per year

Transmitter Unit

Measuring range	Temp: -40°F to +176°F RH: 0 to 100% RH (in a non-condensing RH environment)
Operating range	-4°F to +140°F (in a non-condensing RH environment)
Storage temperature	-40°F to +140°F
Resolution	Temp: 0.2°F, RH: 0.1%
Accuracy	+/- 0.2°F



Product code: RL4116-457.600



Always ask for a long-range signal strength test.



We can prove ours to be unrivaled.

Radio transmitter functions

Frequency range	457.5 to 457.9 457MHz. Only certain frequency channels are FCC approved, license will be required.
Radio power	10mW
Radio range	Approx. 10,000 ft. 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	EMS - All Versions
Hardware required	CR2 / CR3 – Controller SR2 – Smart Receiver REP – Repeater

Accessories

88706	AA 3.6V Lithium battery
Y119	Wall mounting bracket
Probe options	Please refer to the Hanwell Pro Sensor datasheet

Ultimate peace of mind



Version 5 - EC210069

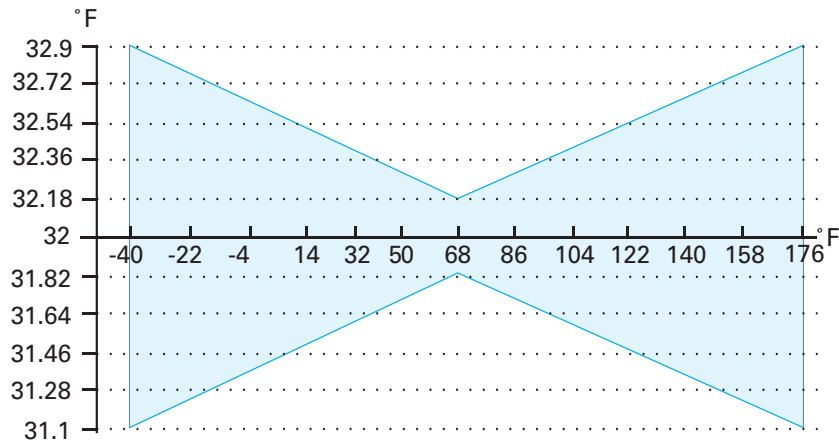
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Temperature accuracy chart

Refers to EE07 Probes (J140 and J223)



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RoHS



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