

# RL4111-DU transmitter

## Pro RL40000-DU Series

Part of the **Hanwell Pro** RL4000-DU Series; the RL4111-DU combines highly accurate temperature and humidity measurement using a Rotronic HygroClip 2 probe. The instrument includes an LCD display and utilises the 434.075MHz frequency as standard.

### Features

- ✓ Rugged, durable enclosure with a minimum IP rating of 50
- ✓ Combined temperature & humidity measurement
- ✓ LCD display showing data readings and a battery life indicator
- ✓ 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 and WEEE EU directives
- ✓ Carries CE and UKCA Marking

### Typical Applications

- Areas with high powder content in the air
- Areas with high moisture content in the air
- Option to use in Hydrogen Peroxide environments with a special filter fitted to the sensor (sold separately).

Always ask for a long-range signal strength test.



We can prove ours to be unrivalled.



Product code: RL4111-DU-434.075

Instrument specifications	
Dimensions (Excl. ancillaries)	160 x 90 x 50mm
Weight	350 grams
Power supply	1 x 3.6V AA Lithium battery
Case material	ABS
Memory capacity	50,000 readings per channel (unit will wrap when full)
Clock accuracy (logging)	20 ppm at 25°C
IP Rating	IP54
System Accuracy (Transmitter Unit + HygroClip 2 probe)	<b>Temp:</b> +/- 0.1°C at +10°C to +30°C (Refer to Temperature Accuracy chart) <b>RH:</b> +/- 0.8%RH at +10°C to +30°C (Refer to Humidity Accuracy chart)
Transmitter Unit Measuring range	<b>Temp:</b> -40°C to +60°C <b>RH:</b> 0-100% non-condensing
Transmitter Unit Operating range	-20°C to +60°C (in a non-condensing RH environment)
Transmitter Unit Storage temperature	-40°C to +60°C
Resolution	0.1°C (temperature) 0.1%RH (humidity)

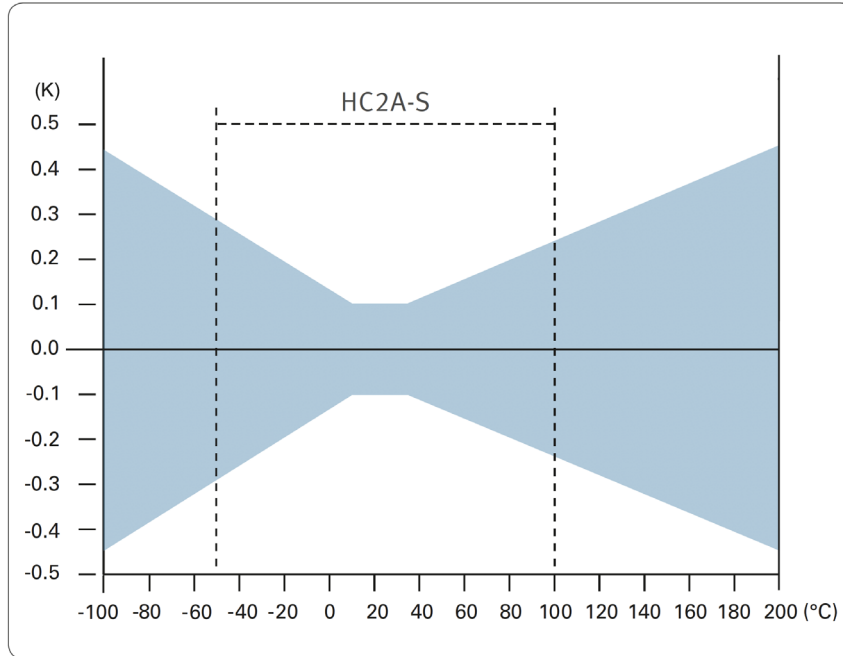
Battery life	Up to 11 months, dependent on conditions of use and instrument settings. This value determined under the following conditions: <b>Tx Interval</b> - 300 seconds. <b>Logging Interval</b> - 15 Minutes <b>Ambient Temperature</b> +22°C +/- 3°C.
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Radio 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	SR2 – Smart Receiver REP – Repeater

Accessories	
Y550	Wall mounting bracket
Y055	USB Cable
88706	3.6V AA Lithium battery
Probe options	<a href="#">Please refer to the Hanwell Pro Sensor datasheet</a>

# Temperature accuracy chart

Refers to Rotronic HygroClip 2 (J115) Probe



# Humidity accuracy chart

Refers to Rotronic HygroClip 2 (J115) Probe

