

# RL4509-DU transmitter

## Pro RL4000-DU Series

Part of the **Hanwell Pro** RL4000-DU Series, the RL4509-DU measures differential pressure. 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
- ✓ Differential pressure measurement
- ✓ Instantaneous readings taken and displayed with a single button push
- ✓ 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

- Operating Theatres, Clean rooms and Pressure Cascade monitoring

Always ask for a long-range signal strength test.



We can prove ours to be unrivalled.



Product code: RL4509-DU-434.075

### Instrument specifications

Dimension (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 (unit will wrap when full)
Clock accuracy (logging)	20 ppm at 25°C
IP Rating	IP50
System Accuracy (Transmitter Unit + Internal Sensor)	+/- 1.5 Pa over the range +10°C to +30°C
Transmitter Unit Measuring range	-100 to + 100 Pa
Transmitter Unit Operating range	0°C to +50°C (in a non-condensing RH environment)
Transmitter Unit Storage temperature	-40°C to +60°C
Resolution	+/-0.4 Pa

### Battery life

Up to 22 months, dependent on conditions of use and unit settings.  
 This value determined under the following conditions:  
**Tx Interval** - 300 seconds.  
**Logging Interval** - 15 Minutes  
**Ambient Temperature** +22°C +/- 3°C.

### 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> - Version 1.0.9 or higher Version 2.0.5 (Compliant) or higher
Hardware required	SR2 – Smart Receiver REP – Repeater

### Accessories

Y550	Wall mounting bracket
Y055	USB Cable
V137	dp Pressure Sensor Silicon Tube
P106	dp Pressure Sensor Wall Plate
88706	3.6V AA Lithium battery
L071	Additional Pressure Connection Plug

Manufactured by Ellab Monitoring Solutions



RoHS



Version 4 - EC210105

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