

# RL4502 transmitter

## Pro RL4000 DP Series

Part of the **Hanwell Pro** RL4000DP Series, the RL4502 (+/-1250Pa) differential pressure transmitter with 434.075MHz frequency as standard.



Differential Pressure



Radio transmitter

### Features

- ✓ Wireless data transfer
- ✓ High performance technology with accurate sensors
- ✓ User accessible battery and USB socket
- ✓ Up to 2 years battery life
- ✓ Low power radio for long distance transmission
- ✓ Complies with RoHS, EU and WEEE directives
- ✓ Carries CE Marking

### Typical Applications

- Filter monitoring
- Air ventilation systems

Always ask for a long-range signal strength test.



We can prove ours to be unrivalled.



Product code: RL4502-434.075 (other frequencies are available)

Instrumentation specification	
Dimension (Excl. ancillaries)	110 x 80 x 35mm
Weight	200 grams
Power supply	1 x 3.6V AA Lithium battery
Case material	ABS & PC
Memory capacity	100,000 readings (unit will wrap when full)
Clock accuracy (logging)	20 ppm at 25°C
IP Rating	IP30
Instrument operating range	0°C to +50°C in a non-condensing RH environment
Storage temperature	-40°C to +60°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
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
Hardware required	CR2 / CR3 – Controller SR2 – Smart Receiver REP – Repeater
Accessories	
Y055	USB communications lead
Y119	Wall mounting bracket

Ultimate peace of mind



RoHS

Version 2 - EC180090

**Disclaimer:** The information contained herein is believed to be reliable. Hanwell Solutions Ltd. is not responsible for any incorrect or incomplete information on this datasheet and the information or product may be changed without notice. Customers should obtain and verify the latest relevant information before placing orders for Hanwell products.

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# Sensor options (supplied with unit)

Internal pressure sensor	Miniature silicon sensor
Probe operating range	+/- 1250 Pa (restricted by instrument operating range)
Accuracy (offset and linearity)	+/- 6.75 Pa in temperature compensated range 10°C and 30°C
Resolution	1 Pa
Pressure Connector	2 x 3.2mm outside diameter, 1.6mm inside diameter tube, 2m long
Long term drift	+/- 5Pa per year

*Note: Units purchased from July 2017 are not suitable for use with RadioLog. Specification applies to units supplied August 2017 onwards.*