

RL4502 transmitter

Pro RL4000 DP Series

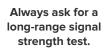
Part of the Hanwell Pro RL4000DP Series. the RL4502 (+/-1250Pa) differential pressure transmitter with 434.075MHz frequency as standard.

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





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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









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

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









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.







