

RL4901-04 transmitters

Pro 4900 Series

Part of the **Hanwell Pro** RL4900 Series, the RL4901- RL4904 are thermocouple transmitters which include LCD display and 434.075MHz frequency as standard. They are available in two temperature ranges with or without door sensors.

Features

- ✓ Single Channel Thermocouple instrument
- ✓ LCD display with data readings & battery life
- ✓ 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, EU & WEEE directives
- ✓ Carries CE Marking

Typical Applications

- Cryogenic monitoring
- High temperature applications up to 350°C

Instrumentation specification	
Dimension (Excl. ancillaries)	110 x 80 x 35mm
Weight	200 grams
Power supply	3.6V AA Lithium battery
Battery life	Up to 2 years (dependent on conditions of use and instrument settings)
Case material	ABS & PC
Memory capacity*	100,000 readings Unit will wrap when full
Clock accuracy (logging)	20 ppm at 25°C
Instrument measuring range	See relevant Product code (Measurement Range is dependent on probe selection)
Instrument operating range	-20°C to +60°C (non-condensing RH environment)
Instrument storage temperature	-40°C to +60°C
IP Rating	IP30
Unit accuracy	+/- 0.2°C
Resolution	0.1°C



Photo shows RL4901 -434.075 (Other frequencies are available)

Product codes

RL4901	Single Thermocouple -200°C to +200°C
RL4902*	Single Thermocouple with Door Sensor -200°C to +200°C
RL4903	Single Thermocouple -50°C to +350°C
RL4904*	Single Thermocouple with Door Sensor -50°C to +350°C
88706	AA Lithium battery
Probe option	Please refer to the Hanwell Pro Sensor datasheet

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	RL4901, RL4902, RL4903 and RL4904: EMS - From Version 1.0.8/2.0.2 inclusive

***Note:** EMS 1.0.8 requires both the **Management Tools Digital Patch and the Digital Patch for EMS.** Customers with EMS Version 1.0.8 must contact Hanwell Technical Support (support.hanwell@ellab.com) before buying and ask them for these patches.

Hardware required	CR2 / CR3 – Controller SR2 – Smart Receiver REP – Repeater
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*This unit used with Hanwell manufactured door switches are guaranteed to function correctly. Alternatively, other inputs should comply with the following specification and an interface cable is available upon request:

Max load capacitance	5nF
Max impedance	100R