

# RL4604 transmitter

## Pro Utility Series

Part of the Hanwell Pro Utility series, the RL4604 radio transmitter is a single channel pulse counter used to collect data from electricity water and gas meter outputs.

### Product Features

- ✓ Single channel outdoor pulse counter
- ✓ British designed and manufactured
- ✓ High performance technology
- ✓ Low power radio for long distance transmission (over 3km over open ground)
- ✓ Easily accessible battery and USB socket
- ✓ Supports (optional) hidden wall brackets
- ✓ Up to 5 years battery life
- ✓ Complies with RoHS, EU directives and WEEE
- ✓ Carries CE Marking
- ✓ Superior performance hardware with high accuracy sensors

### Typical Applications

- Analysis of kilowatts/hrs
- Measurement of cubic meters of gas
- Control litres of water consumed

Always ask for a long-range signal strength test.



We can prove ours to be unrivalled.



Water



Gas



Electricity



Product code: RL4604-434.075 (other frequencies are available)

### Instrumentation specification

Dimension (Excl. ancillaries)	110 x 100 x 60mm
Weight	600 grams (including battery pack)
Power supply	2 x Alkaline D cell batteries
Case material	ABS & PC
Instrument operating range	-20°C to +60°C (non-condensing RH environment)
Instrument storage Temperature	-40°C to +60°C
IP Rating	IP65 (external glands IP68)

### 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 5 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

Y119	Wall mounting bracket
88706	AA Lithium battery
Y055	USB Cable

Manufactured by Hanwell | Ellab RoHS

Version 3 - EC190194

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Technical specification	
Type	Volt free contacts or opto isolated
Pulse frequency	Maximum 15 Hz
Pulse Mark/space	Minimum 25 msec
Wetting current	Between 1 to 2mA into a maximum impedance of 10 ohms
Total pulse counts	Yes
Maximum total count	1073741823 (30 bits)
Difference over period	Yes
Maximum difference	65535 (16 bits)
Period	30 minutes (adjustable)
Error	+/- 1 count

The Hanwell Pro pulse counting radio transmitters provide wire-free monitoring of a site. The units can be used to collect data from electricity, water and gas meter outputs (an isolation device may be required for gas meters) and energy meters with a suitable pulse output providing accurate and reliable information about utility usage and cost. This data is transmitted, at user-defined intervals, to the Synergy software where it is filed for analysis. Alternatively the data can be sent to an FTP site for collection by third party software packages. The sensor cable entry into the case is via a cable gland and terminated into a terminal block allowing for ease of installation and making the unit suitable for use outdoors (IP65 rated case).