

# LoLog-R

## Data Logger

LoLog R is a high specification data logger which features radio downloads and programming.

Compact, IP68 and battery powered, it is designed for portable use and can be supplied in single or dual channel variants. The analogue channel can be used for internal pressure, external pressure or 4-20mA. A digital channel is available for flow or status data. The dual option combines one analogue and one digital channel.

LoLog R offers a high level of features including Pulse Interval Timing to help establish accurate recording of minimum flow. The unit can store up to 262,000 readings in non-volatile memory as standard, with the option to extend to 1 million readings.



### Key Features and Benefits

- **Data download:** Via USB Radio interface
- **Long term monitoring:** 5 year battery life in typical use (Battery can be changed)
- **Multiple channel option:** One or Two Channels
- **Pulse interval timing:** For low flow applications.
- **Pressure sensor:** Internal or external pressure sensor, 4-20mA.
- **Large memory:** Can store upto 1 million data values
- **Software compatibility:** Fully compatible with Radwin software.
- **Multiple logging modes:** Cyclic logging, Stop when Full, Start and Stop and Event Logging.
- **Durable:** Rugged plastic case
- **Fully waterproof:** The IP68 rating has been tested at 10m depth over a 24 hour period.

### Key features

The high speed radio download and programming allows flexibility not available with conventional portable loggers. The user does not need to be in direct contact with the logger so can download outside the meter pit, or from a vehicle. This means that hazardous areas, roads, or two man lifts can be avoided increasing the speed and safety of data gathering. The LoLog R also eases potential issues with street works and health and safety issues.

LoLog R is fully compatible with Radwin software so data can be combined with other current and historical Radcom Loggers.

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## Data Logger

### Sensor Input options

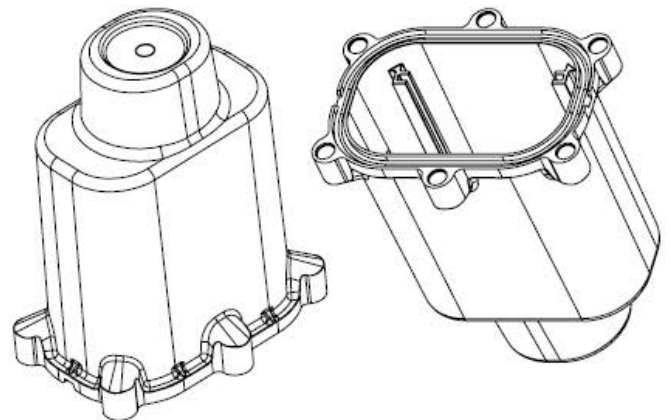
Digital	Uni- or Bi-directional pulse/status
	Reed switch contact closure type or equivalent sensors including Kent LRP & PU10 pulse heads, Aquamag/ Magmaster.
	Up to 64 pulses per second.
Analogue	Internal or External Pressure Transducer
	0-20 bar / 0-200 meters head / 0-300 psig standard (other ranges are available) Please note that the logger is calibrated to 10bar as standard. 20bar calibration must be specified at time of order if required. <0.2% FSD accuracy supplied as standard. <0.1% FSD accuracy available as optional enhancement if required. Please specify at order.
	4-20mA from isolated sensor.
Memory	Primary recording of 262,000. Optional extended memory up to 1 million readings. Can be configured to stop recording when the memory is full (block mode- OPTIONAL) or overwrite oldest data when memory is full (cyclic mode).

### Communication

Radio	High speed remote radio download. Typical range up to 100m line of sight. Optional receiver required to download
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### Logger Features

Frequency	Sample Periods In 1 second increments from 1 to 60 seconds. Then 1 minute increments from 1 to 60 minutes. Then 1 hour increments from 1 to 24 hours
Dimensions	72H x 91W x 141D mm (2.8"H x 3.5"W x 5.5"D).
Construction	Rugged plastic enclosure
Weight	470g
Operating temperature	-20 to +60°C (-5 to +140°F)
Ingress protection	IP68 submersible
Power	Lithium battery operational for 5 years under typical operating conditions. (Batteries can be changed )
Clock	On board 24 hour real time clock with date facility.
Logging modes	Count and Event (PIT) logging modes Bi- directional capability
Logger ID	Up to 7 alphanumeric characters.
Site ID	Up to 127 alphanumeric characters



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### HWM Water Limited

Ty Coch House  
Llantarnam Park Way  
Cwmbran  
NP44 3AW  
United Kingdom

Tel: +44 (0) 1633 489 479  
Fax: +44 (0) 1633 877 857  
Email: [sales@hwm-water.com](mailto:sales@hwm-water.com)  
Web: [www.hwmglobal.com](http://www.hwmglobal.com)

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