



# Permalog+

## Leak Noise Data Logger

Permalog+ is a leak noise data logger that is used to quickly and efficiently locate leaks in a water network.

Using our unique Aqualog extended logging functionality, Permalog+ records noise at pre-defined intervals over an extended period of time.

Permalog+ can store up to twenty nine days of level and spread history. Identified noise trends can then be presented in graph format (in Aqualog mode), enabling the user to distinguish between leak and non-leak noise.



### Key Features and Benefits

- **Automatic leak surveying:** reduces the risk of leaks missed through human error
- **Rapid deployment:** easy to deploy, causing minimal disruption
- **Flexible deployment options:** permanent or semi-permanent
- **Compatible:** compatibility with Patroller 4 and WebCorr allows for rapid access to data in the field
- **Data storage:** capacity to store up to twenty nine days of data
- **Long-term monitoring:** powered by long-life lithium batteries
- **Fully waterproof:** the IP68 rating has been tested at 10m depth over a 24 hour period
- **'Lift & Shift' only:** a 'lift & shift' only version of Permalog+ is also available

### Applications

Data gathered by Permalog+ can be accessed via:

- 'Drive By': data is transmitted to a moving patrol vehicle via a Patroller 4 wireless data transceiver
- 'Lift & Shift': loggers are removed from the ground and the data is manually retrieved via a simple swipe of the logger

Standard Permalog+ units can transmit data through both of these methods. Alternatively, a 'Lift & Shift' only version is available.

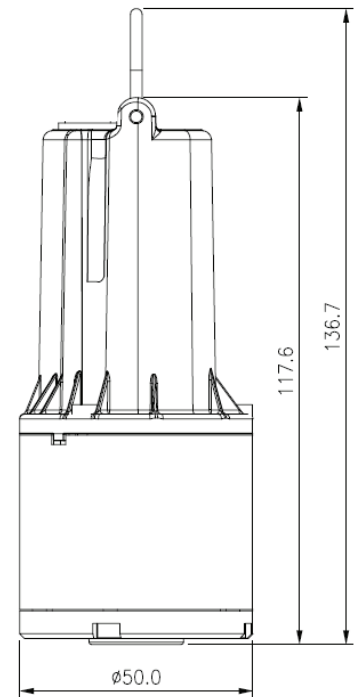
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Dimensions	50mm x 117.6mm
Weight	620g
Type of Battery	Lithium/replaceable
Battery Life	Typically 5 years (depending on mode of operation)
IP Rating	IP68 submersible
Parameters	User Programmable



## Patroller 4

### Wireless Data Transceiver

Patroller 4 is a discreet wireless transceiver developed for the collection of leak noise data from Permalog+ devices.

Patroller 4 rapidly downloads data, permitting 'drive-by' data collections or lift and shift operation. Compatibility with Permalog+ and the WebCorr app allows data received by Patroller 4 to be used for immediate site correlation or uploaded to PermaNET Web.

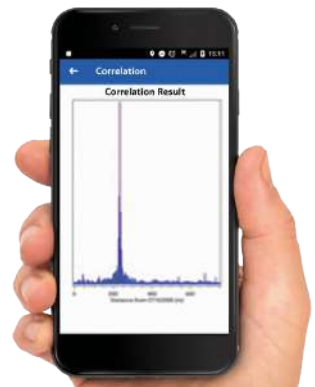


## WebCorr

### Leak Noise Data Correlation App

WebCorr is the convenient, easy to use application for the correlation of leak noise data recorded by Permalog+ devices. The app supports the downloading of data as well as re-programming, with Patroller 4, delivering remote communication for setting changes such as site correlation.

In addition, WebCorr can upload data to PermaNET Web, allowing the user to benefit from all of the cloud-hosted online software functionality as well as remote viewing from the office.



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