Battery Packs

High Capacity Additional Power Source

HWM Global's External Battery Packs are compact, high capacity batteries designed to be easily installed on our range of telemetry loggers.
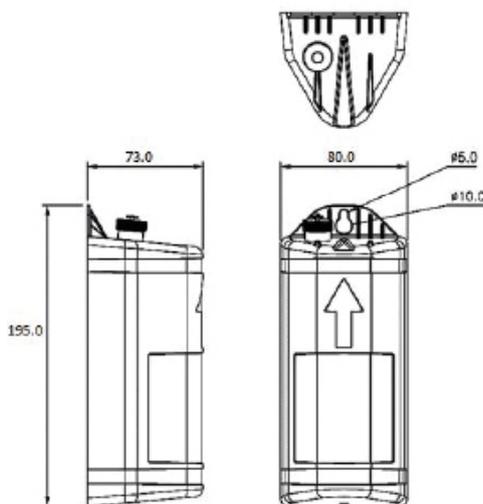
HWM Global data loggers are designed to perform maintenance-free for up to five years before battery replacement.

To maintain this during demanding call-in regimes, the logger's internal battery can be supplemented with a low-cost external battery pack.

Key Features

- **Long battery life:** maintains typical five year battery life even during demanding call-in regimes.

- **Durable:** robust PC ABS housing. Fully waterproof (IP68 rated).

- **Simple to install:** via 4, 6 or 10 way milspec connector - logger requires external battery input connector or additional cable.

- **Portable:** compact, portable design for easy installation.

- **Accelerated dial-in:** data every 60, 30 or 15 minutes.

- **Low maintenance:** designed to perform maintenance-free for up to five years before battery replacement.

Specifications

Dimensions:	195H x 80W x 73D (mm) - 7.5" x 3.1" x 2.8" (single)
	195H x 80W x 146D (mm) - 7.5" x 3.1" x 5.6" (double)
Weight:	1.05kg (2.3lb) (single)
	2.10kg (4.6lb) (double)
Construction:	PC ABS enclosure.
Operating Temp:	-20 to +60°C (-5 to +140°F).
Ingress Protection:	IP68 submersible

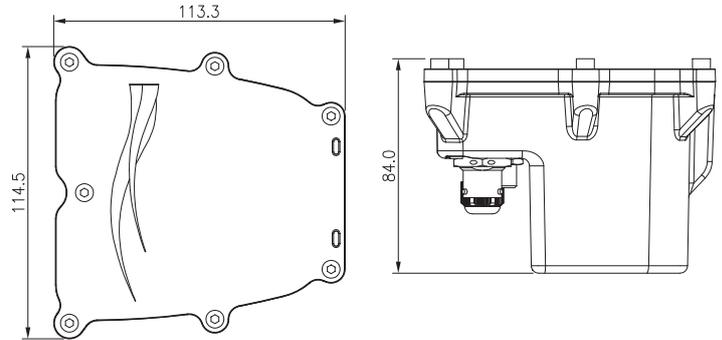## Part Numbers

ComLog 2: (6 pins)	EBT/1E/H (single - up to 30 mins logging)
	EBT/2E/H (double - up to 15 mins logging)
MultiLog LX2: (4 pins)	EBT/1E/G (single - up to 30 mins logging)
	EBT/2E/G (double - up to 15 mins logging)
MultiLog 2: (10 pins)	EBT/1E/J (single - up to 30 mins logging)
	EBT/2E/J (double - up to 15 mins logging)
Universal: (4 pins)	EBT/1E/M (single - up to 30 mins logging)
	EBT/2E/M (double - up to 15 mins logging)

73.0   80.0   ⌀5.0   ⌀10.0   195.0

THE KING'S AWARDS FOR ENTERPRISE 2023 INNOVATION

British Assessment Bureau — UKAS MANAGEMENT SYSTEMS 8289 — ISO 9001 QUALITY MANAGEMENT

British Assessment Bureau — UKAS MANAGEMENT SYSTEMS 8289 — ISO 14001 ENVIRONMENTAL MANAGEMENT

British Assessment Bureau — UKAS MANAGEMENT SYSTEMS 8289 — ISO 27001 INFORMATION SECURITY MANAGEMENT

British Assessment Bureau — UKAS MANAGEMENT SYSTEMS 8289 — ISO 45001 HEALTH & SAFETY MANAGEMENT

CYBER ESSENTIALS

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DAT-000-0005-B   24.02.2026

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PermaNET+
Fixed Network Correlating Leak Noise Logger

Specifications

Operating Temp:	-20 to +60°C (-5 to +140°F).
Memory:	Primary recording: 1 million readings.
Dimensions:	Logger (without antenna): 84H x 115W x 114D (mm) - 3.3" x 4.5" x 4.5" Leak Noise Sensor: 90H x 50W x 50D (mm) - 3.5" x 2.0" x 2.0"
Audio:	High quality audio files for remote validation and secondary (AI) processing.
Weight:	Logger: 338g (0.7lb) Leak Noise Sensor: 476g (1.0lb)
Construction:	PC/ABS plastic enclosure. Stainless steel LNS.
Ingress Protection:	IP68 submersible.
Antenna:	Multiple external options - contact HWM Global for more information.
Battery Life:	Typical 5 years (depending on settings and signal condition).
Internal Cellular Modem:	Cellular modem supporting 2G/4G/NBIoT/LTE-M (Cat-1) - contact HWM Global for available options and satellite based time synchronisation.
Alarms:	Leak/no leak. Signal received/not received.
Logger ID:	Readable factory set serial number in firmware.
Serial:	Laptop or desktop PC via USB

Dimensions shown: 113.3, 114.5, 84.0

Installation Apps
Logger Installation Support

The HWM Global Deployment App is an installation tool that supports the quick and effective deployment of HWM Global manufactured data loggers. As well as recording installation details, the IDT App is used to test signal strength during installation.

PermaNET Web
Secure Data Platform

PermaNET Web is a secure, web-based portal designed to support the PermaNET product range in the remote identification of network leakage. Supporting acoustic correlation, leak detection and logger programming, PermaNET Web delivers connectivity with multiple loggers and provides the user with numerous ways to view collected data.

With recently launched new features including Threshold Modelling and Electrical Noise Identification, as well as future improvements scheduled, PermaNET Web is an ever-evolving platform to support evidence-based decision making.

THE KING'S AWARDS FOR ENTERPRISE — 2023 INNOVATION

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