Hydro-Logic® Flexi Logger 105

Product Summary

The Hydro-Logic® Flexi Logger 105 is a flexible data logger that can be paired with a large range of sensors to monitor and measure a variety of metrics, including water flow, level, quality and weather. This data can be used to provide local flood warning, reservoir level and environmental monitoring.

Applications

- Monitoring water levels to provide a reliable measure of flood risk and be part of a flood warning system.
- Continuous monitoring of flows.
- Monitoring weather, for river flow changes, droughts and flood risk.
- Monitoring water quality for environmental protection.

Main Features

1. Serial number window.
2. Status LED and magnet switch location.
3. GORE® breather for sensor connector.
4. External antenna connector (there is also an internal antenna).
5. Ventilated sensor connector.
6. Wired comms and external power connector.

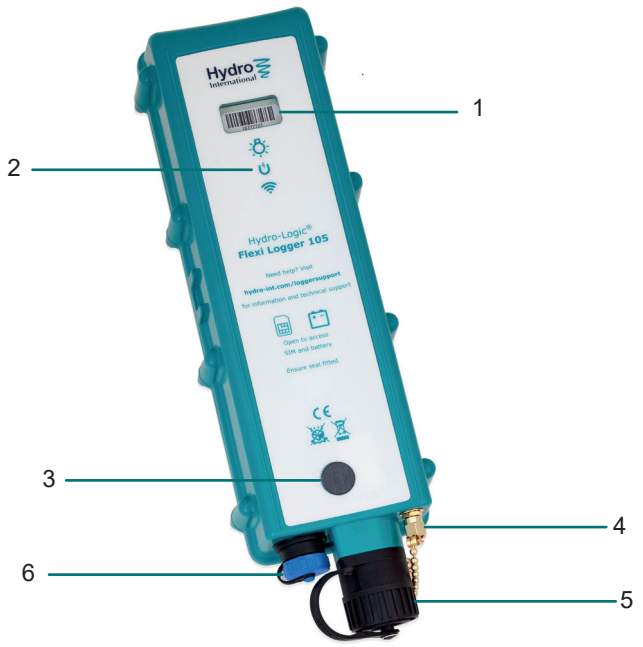

Fig.1 *The Hydro-Logic® Flexi Logger 105*

Technical information

- Up to 32 channels of data.
- Protected Wi-Fi configuration.
- Switched 12 volt DC output for powering sensors
- External power-source capability.
- Configurable sample rate, 10 seconds to 12 hours.
- Industry-standard input capability Analogue, Digital and SDI012.
- Rugged, environmental protection to IP68.

Benefits

Supports new mobile network technologies

The Hydro-Logic® Flexi Logger 105 uses a 4G modem that supports the new mobile network technologies (Long-Term Evolution technology (LTE) (NB-IoT and CAT M1))

Long service life

Operation is based on the latest development in low power processor technology; the ARM processor, helping to ensure a long service life.

Fast configuration, no cables required

The interface includes protected Wi-Fi connection to enable engineers to configure the unit without cable attachments.

Direct data transfer

Transfer data direct to your server via FTP, or transfer data to Hydro-Logic® Timeview using protected Wi-Fi where available.

Stormwater Solutions

→ hydro-int.com/flexi-logger-105

Main Internal Features

1. SIM for mobile data modem.
2. Dial-out/Wi-Fi button.
3. Battery connector.
4. Battery pack (Lithium or Alkaline).

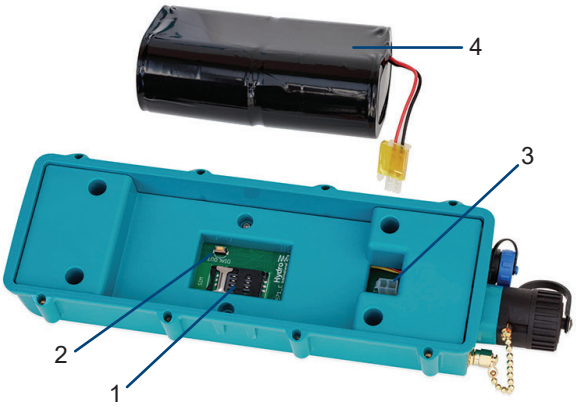

Fig. 2 *Main internal features.*

Upgrading from the FL100 to the FL105

The Hydro-Logic® Flexi Logger 105 has been designed to enable an easy upgrade to the Hydro-Logic® Flexi Logger 100 in most situations.

The new design will fit easily into our standard pole-top enclosure so upgrades to existing sites are straightforward.

If you would like advice on upgrading your existing Hydro-Logic® Flexi Logger 100, please contact us on:
smartmonitoring@hydro-int.com
or call: +44 (0)1275 878371.

Fig. 3 *Hydro-Logic® Flexi Logger 105 in our standard pole-top enclosure.*

Data Visualisation

We have a range of data visualisation software packages available, from a basic online platform up to systems for complete time series data, rating curves and analysis. Select the one that best suits your particular needs.

Hydro-Logic® Timeview

Hydro-Logic® Timeview provides an online platform for basic data visualisation, inspection and early warning on an annual subscription. The software enables you to:

- Capture latest data and trends.
- Reduce site visits to save cost of data collection.
- Use near real-time alarms to alert emergency staff ie. to clear blockages.
- Get warnings of events or licence compliance failure.
- Easily manage users and device features.

Hydro-Logic® Timeview DBi

Hydro-Logic® Timeview DBi is a streamlined online database for long-term data warehousing of hydrometric, climate and environmental data, equipping you with analysis tools to help you derive meaningful, actionable insights from that data.

Hydro-Logic® Aquator

Hydro-Logic® Aquator software enables engineers and analysts to create and run complex models of water resources systems, providing insight into system performance under current and future supply, demand and environmental conditions in order to make better planning, development and resourcing decisions.

Aquarius Time-Series™

Hydro-Logic® Services is the approved distributor in the UK and Ireland for Aquarius software products.

AQUARIUS is the leading software for water time series data management. AQUARIUS allows water resource managers to correct and quality control time series data, build better rating curves, and derive and publish hydrological data in real-time to meet stakeholder expectations.

Hydro International®

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Watch our videos to find about more about how the Hydro-Logic® Flexi Logger can help you better understand the water environment

→ https://www.hydro-int.com/en-gb/new-hydro-logic-flexi-logger-105