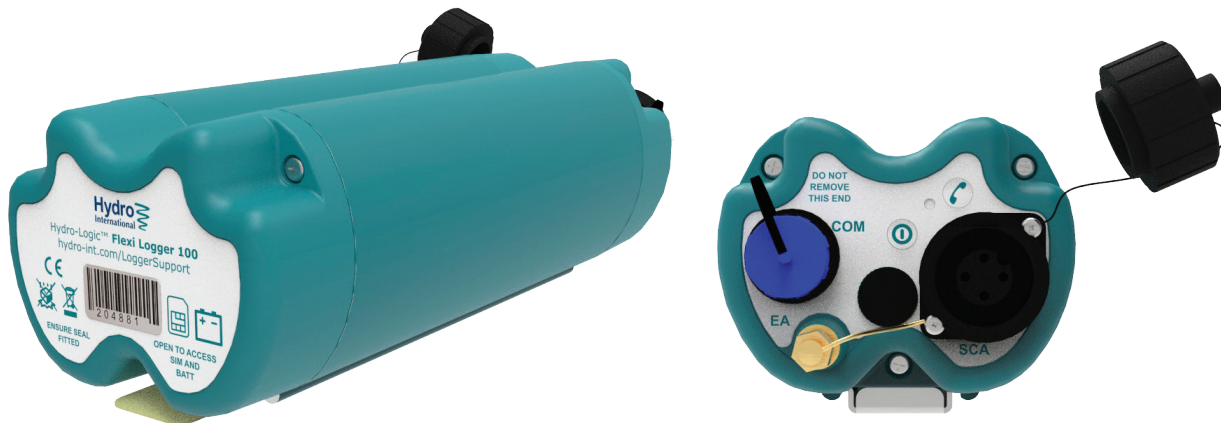


The smallest of the loggers, but still robust to IP68 standard, the 100 is ideal for installation in remote or space constricted applications.



## Key Features

- Wide variety of user-configurable applications including; level, flow, weather, water quality, etc.
- Pre-configured for instant connection to web-browser-based telemetry.
- Easy set up, local or remote, using Harvest software or via browser-based telemetry.
- Up to 8 input channels, each with four alarm settings.
- Switched 12 Volt DC output for powering sensors.
- On-board diagnostics (signal, battery and sensor monitoring).
- Long battery life, field-replaceable, typically 5 years service.
- External power-source capability.
- Storage capacity of 29,768 16-bit readings total for up to 8 derived channels.
- Configurable sample rate, 10 seconds to 12 hours.
- Industry-standard input capability Analogue, Digital and SDI-12.
- Rugged, environmental protection to IP68.
- Rapid installation using dedicated tube-mount enclosure.

## Technical Data

	Maximum Analogue	1 x 4-20mA input.
	Maximum SDI-12	8 channels total, up to 8 sensor addresses.
	Digital Input 1	2 second tip timing resolution, 65000 event counts, 650Hz frequency.
	Digital Input 2	2 second tip timing resolution, 65000 event counts, 10Hz frequency.
Power	Power Output	12VDC sensor power at 120mA, configurable warm-up time of up to 50 seconds.
	Power Supply	Internal 16 Ah Alkaline pack or Internal 64 Ah Lithium pack External 12V lead-acid or 6-24V DC supply
Data Storage	Storage Capacity	29,768 16-bit readings total for up to 8 channels.
	Storage Intervals	<ul style="list-style-type: none"> <li>1m, 2m, 5m, 10m, 15m, 30m, 1h, 2h, 3h, 4h, 6h, 8h, 12h (10s and 30s available for testing)</li> <li>Storage interval for each channel can be set independently.</li> <li>Data recorded at cardinal points.</li> </ul>
Communications	Telemetry Modem Protocol	Internal 3G/GPRS mobile data modem. 2G compatible.
	Automatic Telemetry Data Transmission (in communications)	Yes
	Local Communication	Data cable.
	Manual Data Download	Yes
	DNP3 Communications Open Protocol Capability	Yes
Connectors and Switches		1 Sensor connector plug with 4 screw terminals, 1 external power and local comms connector (combined), 1 sensor vent with Gore protective patch, 1 external mobile data antenna with SMA socket, 1 power button, 1 dial-out button.
Dimensions (mm)		W 87 D 75 L 233 (270 with connectors).
Construction		Aluminium extrusion with polycarbonate end caps, O-ring seals on all external mating surfaces, DIN rail clip for surface mounting.
Protection Notes	Standard	IP68: will withstand 1.2m immersion for 48 hours without significant ingress (all connectors must be tightened or have sealing caps fitted).  Data communications may not function when immersed. Gauge-pressure based level sensors are not accurate when logger enclosure is submerged.
	Mounting Recommendations	Dedicated tube mount enclosure option. DIN rail.
Operating Limits		-40 to 70°C, 0 - 100 % Relative Humidity (RH)

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