



ECHOLOGGER DL3S

Autonomous Underwater Data Logger

Autonomous

The DL3S is an autonomous data logger that operates independently, making it an ideal solution for collecting data in remote or hard-to-reach locations. It is compatible with advanced Echologger underwater sensors, including dual-frequency echosounders, fan beam scanning, and sharp pencil beam 3D sonar to collect real-time data.

Echologger's sonar sensors are widely used across the globe for various underwater environmental studies, such as sediment monitoring, wave/tide monitoring, zooplankton studies, and marine structure monitoring. They offer reliable and accurate data collection, enabling researchers to analyse and better understand the underwater environment.

Continuous logging

The DL3S is designed for extended deployment periods, thanks to its long battery life and ample data storage capacity. This allows for long-term monitoring and research lasting many months or even years, without the need for frequent maintenance or data retrieval.

Embedded sensors

The logger is equipped with built-in sensors, including temperature, pressure, compass, and tilt sensors, which enables it to independently collect valuable information underwater, without requiring external Echologger sensors mentioned above.

Easy to use

The DL3S is a versatile tool that can be customized to fit a wide range of research and monitoring projects. It is user-friendly and easy to program, allowing for flexibility in data collection protocols. This versatility enables users to adapt the DL3S to their specific needs, making it an ideal choice for various app



Specifications

Item	Description
Batteries	Li-ion 14.4V, 14Ah (option, 28Ah)
No. of Port	3
Connector	MCBH6MSS
Memory	32GB micro SD, SDHC
Power supply (for changing batteries)	18~24 VDC, 3A min
Compatible sensors (Echologger)	3D sonar : DASS710 Scanning sonar : RS900, MRS900 Dual Freq. Echosounder : ECT D24, ECT D032, ECT D052, ECT D710 and equivalent ECS models
Compatible sensor (generic)	Any GPS with NMEA output
Embedded sensor	Pressure, Tilt, Compass, Temperature
Pressure Sensor	0~30 bar, Resolution 0.2cm (in water)
Tilt sensor	Dual-axis, horizontal operation: $\pm 90^\circ$
Compass	Inclination data accuracy 0.1°
Digital Output Interface to PC	USB
Communication Speed (to sensors)	4800 ~ 230,400 baud (115,200 baud default)
Operating Depth	Up to 100m
Operation Temperature	-10°C +50°C
Dimensions	D165mm x L183 mm
Weight	3.0 kg (air)



Front view



Side view



Bottom view