

## Key features

- Animal tagging for behavioral studies
- Self-contained acceleration in 3D, depth and temperature recorder designed for use on aquatic organisms
- Re-usable (a field replaceable battery)
- Compact size (12 mm × 45 mm)
- High sampling rate



ORI400-D3GT

## Examples of Application

- The ORI400-D3GT is designed as an underwater recorder to provide behavioral information on aquatic animals, birds, fishes, dolphins, seals, penguins, etc.
- The D3GT can be used to study underwater behavior, kinematics, biomechanics, diving physiology of the tagged animal especially for small fishes and birds.



A floating package including D3GT attached to a Japanese sea bass.

Technical Specifications	
Sensors	Acceleration in 3D, temperature, pressure (depth)
Size (Diameter × length)	12 mm × 45 mm
Housing material	Aluminium
Weight (in air/ in water)	9 g / 5 g
Recording duration	10 hours (3-axis acceleration 10ms; Others 1s)
	100 hours (3-axis accelerations 50ms; Others 1s)
Memory type	128 Mbit
Memory Capacity	12 million data in total
Memory Management	User programmed Management
Data resolution	16 bit
Temperature range	-10~50° C
Temperature resolution	0.1°C
Response time temperature	90% reached in 15sec
Depth range	0-400m

Depth resolution	0.1m
Range of 3-axis acceleration	± 3 g
Resolution of 3-axis acceleration	± 0.1 g
Clock	PC time clock
	Accuracy: ± Several seconds / day
Sampling Interval (User selection)	3 axis acceleration (10, 20, 50, 100 msec)
	Other parameters (1, 2, 5, 10 sec)
Communication	Via an interface box with a logger cable
Battery	SR41W (1.55 V) × 3 Panasonic battery is recommended.

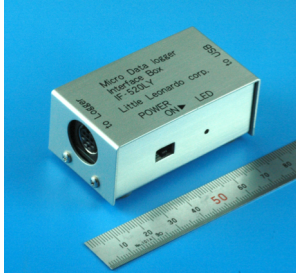
## Related products

Interface box (Model IF-520LY)
Logger cable (Model IL-ORI2)
Software (ORI)

## Easy to use

Remove the battery cap of the logger and connect it to a Windows PC via the Interface box with the logger cable to USB port. Connect the logger to PC through the ORI software and define the sampling interval and start time of recording. After that, unplug the cable, and load new batteries (SR41W) into the logger. The battery cap of the logger is screwed firmly on and the logger is ready for deployment. After the recording period, data is uploaded from the logger to a Windows PC using the logger cable and the ORI software. Data can be imported as text files into other data processing software.

## Related products



Interface Box IF-520 LY



Logger Cable IL-ORI2

Specifications are subject to change with or without notice.

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