

Key features

- Self-contained acceleration and magnetism in 3D, speed, depth and temperature recorder designed for use on aquatic organisms
- Compact size
- Re-usable (a field replaceable battery)
- Depth trigger
- Programmable start time



ORI400-3MPD3GT

Examples of Application

- The 3MPD3GT can be used to study kinematics, biomechanics and migration, searching and foraging behavior of the tagged animal especially for small fishes and birds.
- Since the logger provides the information of heading and swimming kinematics of a tagged animal simultaneously, it is most suitable to investigate detailed migration, foraging behavior and etc.

Technical Specifications	
Sensors	3 axis acceleration, 3 axis magnetism, temperature, pressure (depth), speed
Size (Diameter × length)	16.5 mm × 83.5 mm
Housing material	Titanium
Weight (in air)	42.4 g (including battery)
Recording duration	19 hours (3-axis acceleration and magnetism, 10ms; Others, 1s)
	95 hours (3-axis acceleration and magnetism, 50ms; Others, 1s)
	190 hours (3-axis acceleration and magnetism, 100ms; Others, 1s)
	500 hours (All sensors 1s)
Memory	512 Mbit
Memory Capacity	32 million data in total
Depth range	0- 400 m (ORI400) 0-1300m (ORI1300)
Depth resolution	0.1 m (ORI400) 0.3 m (ORI1300)

Range of 3-axis acceleration	± 3g
Resolution of 3-axis acceleration	± 0.01 g
Temperature range	-10~50°C
Temperature resolution	0.1°C
Magnetic range	± 70 μT
Magnetic resolution	0.02 μT
Speed range	0.2 ~ 10 m/s
Speed resolution	0.05 m/s
Clock	User manual setting Accuracy: ± Several seconds / day
Sampling Interval (User selection)	3 axis acceleration, 3 axis magnetism (10, 20, 50, 100, 1000 ms)
	Others (1 s)
Delay timer (User selection)	1-96 hours
Depth trigger	3-350 m (ORI400) 20-1200 m (ORI1300)
Communication	Via an interface box with a logger cable
Battery	Tadiran TL-5902

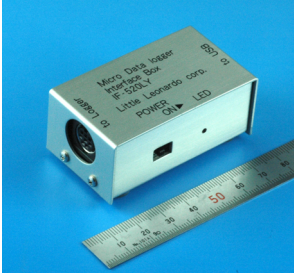
Related products

Interface box (Model IF-520LY)

logger cable (Model IL-ORI5)

Software (Logger tools)

Related products



Interface Box IF-520 LY



Logger Cable
IL-ORI5

Specifications are subject to change with or without notice.

Little Leonardo Corporation

Asahishoten Bldg. 3F, 4-4, Honkomagome 1-chome, Bunkyo-Ku, Tokyo 113-0021 JAPAN
Tel +81 3 3946 2410; Fax +81 3 5395 1676; e-mail : dofleo@l-leo.com

ORI400-3MPD3GT201611cat