

Key features

- Animal tagging for behavioral studies
- Self-contained GPS, acceleration in 3D, depth and temperature recorder designed for use in oceans, rivers and lakes
- Re-usable (a field replaceable battery)
- Compact size
- Programmable start time

Examples of Application

- The GPL400-D3GT is designed as an underwater recorder to provide both behavioral information and positions of aquatic animals including birds, dolphins, seals, penguins, etc.
- The GPL400-D3GT can be used to study underwater behavior, migration, kinematics, biomechanics and diving physiology of the tagged animal.



GPL400-D3GT

| Technical Specifications | |
|-----------------------------------|--|
| Sensors | GPS, Acceleration in 3D, temperature, pressure (depth) |
| Size (Diameter × length) | 20 mm × 103 mm |
| Housing material | Titanium and Polycarbonate |
| Weight (in air/ in water) | 57 g (including battery) / 26 g (including battery) |
| Recording duration | 60 hours (GPS 1s; 3-axis acceleration 50ms) |
| | 30 days (GPS 60s; 3-axis acceleration OFF) |
| Memory | 256 Mbit |
| Temperature range | -10~50° C |
| Temperature resolution | 0.1°C |
| Depth range | 0-400m |
| Depth resolution | 0.1m |
| Range of 3-axis acceleration | ± 3 g |
| Resolution of 3-axis acceleration | ± 0.01 g |
| Accuracy of GPS | 3 m |

| | |
|------------------------------------|--|
| Clock | Coordinated universal time |
| Sampling Interval (User selection) | Temperature, Depth (1 s, Fixed) |
| | GPS (1, 60, 300, 600 s) |
| | 3 axis acceleration (50, 100 ms) |
| Depth Trigger (Fixed) for GPS | Stop sampling when depth > 10 m |
| Delay timer (User selection) | 1, 2, 3, 6, 12, 24, 36, 48, 72, 96 hours |
| Communication | Via an Interface box with a logger cable |
| Battery | CR123A × 1 |

Related products

A Interface box (Model IF-520LY)

A logger cable (Model IL-GPL)

Software (GPL TOOLS)

Related products



Interface Box IF-520 LY



Interface Box (Previous version, IF-510 LY),
logger cable (IL-GPL) and GPL400-D3GT

Specifications are subject to change with or without notice.

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