# 6001SD Subsea Data Logger



The **6001SD Temperature and Pressure Subsea Logger is a compact, self-contained, subsea unit which logs and displays readings from internal digital pressure and temperature sensors.  The 6001SD can confirm a successful hydrotest without needing to recover the unit.  An extended housing version enables longer battery life as well as the capability to utilise a Luma Optical Modem.**

## Key Benefits

- Users can input their own testing parameters.  Upon meeting the criteria, the unit instantly displays a "PASS" confirmation, allowing the operator to make informed next steps.

- Enables ROV, vessel or diver to perform associated tasks in parallel resulting in accelerated completion of work, potential cost savings and project flexibility.

- Can be interfaced with an Acoustic Pinger, data transducer or strobe enabling remote monitoring or indication when a particular pressure, temperature or time threshold is reached.

- Unit and interface components can be mounted in an easy to deploy cradle.

- Compact, self-contained unit with minimal connections and cabling resulting in easy installation and reduced risk to the operation.

- Capable of displaying and logging 2x pressure and temperature for approximately 100 days complete with time and date.

- All functions can be carried out using a single control button and intuitive menu.

Interested in hearing more about this, or other applications? Contact our IK Trax specialists at:

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**Intelligent Pipeline Technology**

**www.iktrax.com**

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# 6001SD Subsea
# Data Logger

## PRODUCT SPECIFICATION

| | |
|---|---|
| Battery Type | 12V Alkaline Pack (Additional 10.5V Alkaline Pack for Extended Housing Version) |
| Battery Life at +5°C | 80 Days (Standard Mode) 100 Days (Low Power Mode) Note 1 |
| Operating Temperature Range | -5°C to +65°C (+23°F to +149°F) |
| Operating Depth | 3000m (9842ft) |
| Pressure Sensor Ranges Available | 100-2000barg (based on project requirements) |
| Pressure Connection | ¼" BSPP M/M ADAPTOR or Customer specified |
| Standard Pressure Sensor Accuracy | ±0.05% FS (0.001 bar resolution) |
| Temperature Sensor Accuracy | ±0.5°C (0.01°C resolution) |

## MATERIALS & DIMENSIONS

| | |
|---|---|
| Housing Material | Alloy Bronze CA 104 EN 12163 |
| Window Material | Acrylic |
| Length | 275mm (10.8") |
| Extended Housing Length | 338.5mm (13.3") |
| Height | 160mm (6.3") |
| Width (Including Burton Blanking Plug) | 235mm (9.3") |
| Weight in Air (Including Delrin Mount) | 14.1kg (31lbs) |
| Weight in Water (Including Delrin Mount) | 9.1kg (20lbs) |

## OPTIONS

| | |
|---|---|
| External Power | +15V to +28V |
| Data Communication | RS485 |
| Remote Communication | Acoustic Data Transducer |
| Logging | Various Regimes Available |

Note 1   Battery life dependent on ambient temperature, logging regime, display mode and external devices.

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