

# Subsea Datalogger

Versatile Subsea Processing Unit and Data Logger

**CUSTOM  
ENGINEERING**



*Trittech Subsea Datalogger*

## Encompassing Proven Technology

Originally designed to complement the Gemini 720is series of multibeam sonars, the TSD can record multibeam data without the need to permanently connect to a surface control computer.

This is especially relevant in environmental studies, where there is an importance placed on reducing the effect of external influences on the potential behavioural differences of marine life.

## Set Up and Integrate

Although designed to support Trittech's products, it is possible to integrate a range of third-party sensors, which require a data logging system, with a Windows® operating system; interfaced using an Ethernet communications protocol.

The TSD has two Burton connectors on one end plate of the subsea housing: one connector attaches to the sensor gathering the data and the other connector joins to a suitable power source.

A PC remote desktop function enables configuration of the onboard computer, then disconnect the PC and the system is ready for deployment. Connecting to a power source will activate logging and after Windows® completes its boot-up operation, the TSD will begin logging data as defined by the sensors' Windows® based software program(s).

## Timeless Recording, no Surface Connection

The Trittech Subsea Datalogger (TSD) provides users with a truly versatile and intelligent logging solution, ideal where there is a requirement to integrate a range of subsea sensors.

Within the TSD there is an integral PC running Windows® 7, which is capable of running a variety of software applications.

The TSD is depth rated to 4000m and the housing is aluminium as standard.

## Benefits

- No surface connection
- Fast data logging
- Supports Trittech's renowned Gemini product line

## Features

- Multiple Ethernet ports
- 4000m depth rating
- 100GB logging capacity as standard
- Memory expandable to 1TB  
(6 days Gemini logging)

## Applications

- Renewables
- Environmental analysis
- Impact studies
- Hazardous environments

## Specifications

- |                  |                    |
|------------------|--------------------|
| • Process Type   | Quad Core 1.91GHZ  |
| • Onboard Memory | 4GB                |
| • Voltage Supply | 20-74VDC           |
| • Power Draw     | 10W                |
| • Weight         | 2/7Kg (water/ air) |
| • Depth Rating   | 4000m              |
| • Communications | Ethernet           |

Ref: June 2016 V4

All specifications are subject to change in line with Trittech's policy of continual product development.

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