

RTS CUBE

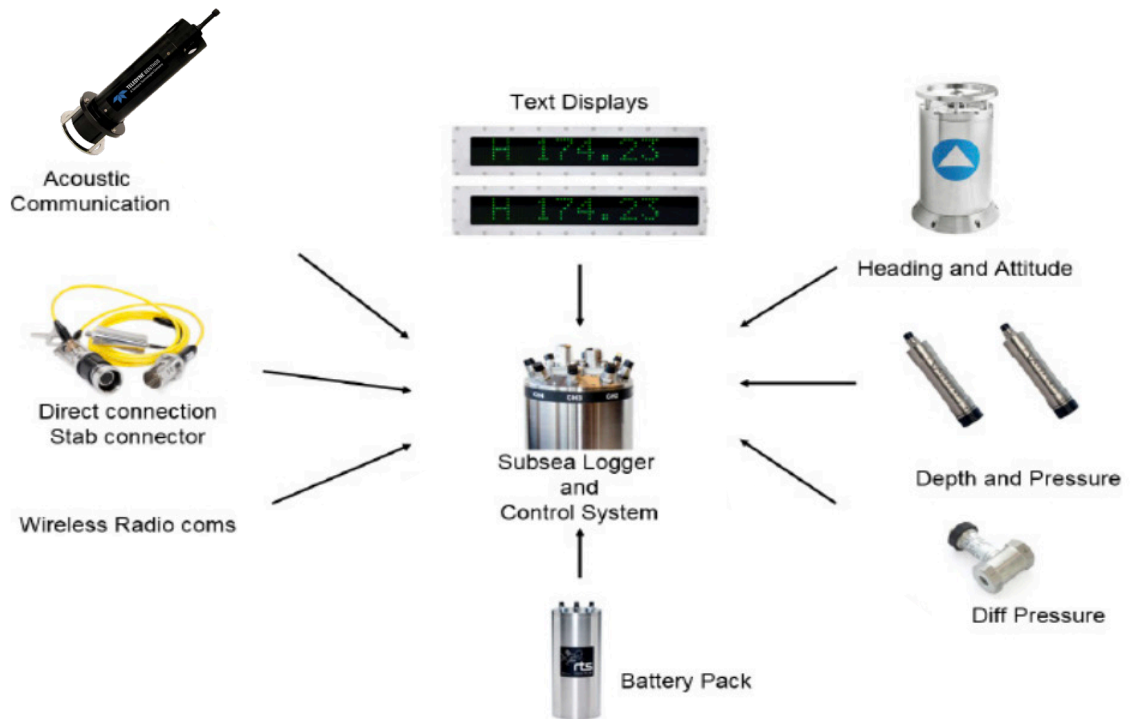
Subsea toolbox for precision measurements

The RTS CUBE represents the next generation of self-contained subsea monitoring solutions. Based on years of experience with the industry favored RTS Gyro Toolbox, the CUBE features superior heading and attitude measurements, flexible interfacing and comms, external sensor capabilities and surface logging software. The compact and robust construction allows for a wide range of subsea applications while maintaining full flexibility of choice of gyro, sensors, comms and physical interface.

Main features:

- High accuracy
- External sensor capabilities
- Robust construction
- Remote system startup (air and water)
- Sensor flexibility
- Tailored surface logging software
- ROV connection
- Simple setup
- Advanced subsea display features





TECHNICAL SPECIFICATION

Subsea logger

- 1 x Heading and Attitude sensor. Compatible with all commonly used Gyro compasses and attitude sensors.
- 2 x Depth and pressure sensors. Measuring Depth, tide and height differences.
- 2 x Differential pressure sensors. For suction-can pressure monitoring.
- 1 x Modem. Live communication through ROV installed modem.
- 1 x RF switch and Communication. Wireless communication and system setup on deck.
- 1 x Wetmateable connector. Direct connection for Online data and power.
- 2 x Subsea display. Direct visual reading of Attitude, Heading and/or pressure data

Mechanical

- Small size 55 x 55 x 55 cm
- Weight approx. 85 kg depending on configuration, additional payload 515 kg, MGW 600 kg max

General

- | | |
|--|---|
| Internal data logger | Data are logged on SD-micro cards. Up to three memory cards can be used for contingency |
| Real time clock | All sensor data are logged with timestamp for accurate timing and synchronized sensor polling |
| Extremely low power consumption | Power monitor for battery and relay control for each external sensor. Auto fuses implemented. |
| Deep sleep function | Logger can be put into deep sleep for long-term logging
Deep sleep wakeup on radio |
| Packed data transmission | All modem comms are packed for increased acoustic data transmission
Pallando data protocol |
| Ethernet and wireless sensor communication | The system can support up to 12 x RS232/RS485 I/O |
| Acoustic communication | Available through acoustic modem |

The information in this in this document is subject to change without notice and does not represent a commitment on the part of RTS.

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