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 maintaing full flexibility of choice of gyro, sensors, comms and physical interface.

Main features

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

Specifications

Product	RTS CUBE
Country of origin	Norway
Manufacturer	Rental Technology & Services AS

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

Dimensions	Small size 55 x 55 x 55 cm
Weight	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