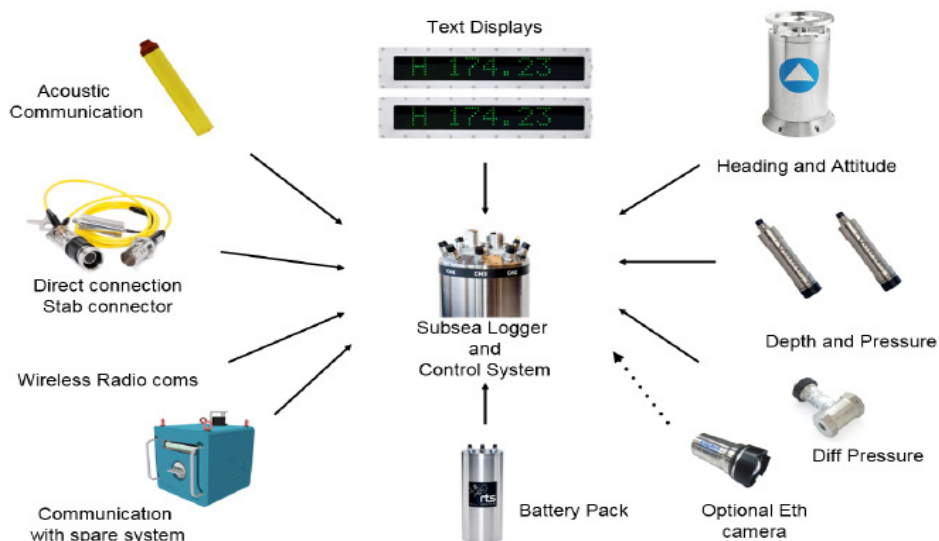# RTS CUBE

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

· Robust construction

· Sensor flexibility

· ROV connection

· Advanced subsea display features

· External sensor capabilites

· Remote system startup (air and water)

· Tailored surface logging software

· Simple setup

www.rts.as

RTS CUBE

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 and/or Transponder. Live communication through ROV installed Modem cNODE or HiPAP/APOS
	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
	Up to three RTS battery packages for long-term monitoring and logging.

Mechanical	Small size 55 x 55 x 55 cm
	Weight approx. 90kg depending on configuration, additional payload 300kg, MGW 400kg 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 time, on calendar or external sensors input.
	• Packed data transmission	All Modem and/or Transponder 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 ROVNAV, Acoustic Modem or HiPAP transceiver (APOS)