

STOR-X

Submersible Data Logger

Understanding the need for low cost, compact size and minimal power requirements, the STOR-X is ideal for remote field data sampling applications. The STOR-X system provides scheduled data acquisition and logging of any serial or analog device including all Satlantic radiometers. The STOR-X submersible data logger was specifically designed for long-term coastal and freshwater environmental data logging. Its rugged design, compact size, file management capabilities and low sleep current requirements (30 μ A at 12 VDC) make it the ideal data logger for remote systems.

Features

- Cell or Iridium modem interface port
- Low sleep current. 30 μ A at 12 vdc
- USB interface for fast data transfers
- Five switched power serial interface ports
- Four 16 bit A/D ports
- Corrosion resistant housing

Options

- Real time data transfer via Cell Phone or Iridium Modem
- Integrated pitch, roll, temperature and pressure sensors
- Master-slave and Network configurations for clustering STOR-X and connected instruments
- Observing platform options LOBO or Benthic Pod with OSS software (LOBOviz) for LOBO.

Applications

- Long-term moorings
- Real-time data collection mode
- Environmental monitoring
- Undulating vehicles

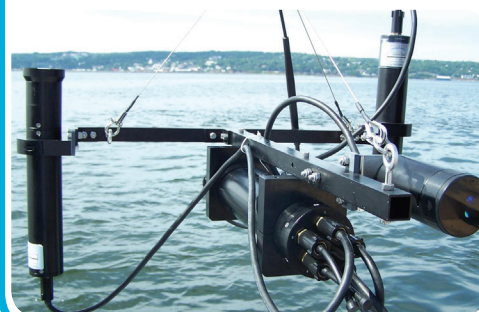


Specifications

Input Voltage	6 to 18 VDC
Input Current@ 12 VDC:	Operating 50 mA Idle (sleeping) 30 mA
Temperature Range:	-2.5 to 40 °C
Memory Capacity	256 MB Expandable
Physical Dimensions (Excluding connectors)	Cylindrical: Length: 28.6 cm (11.25") Diameter: 8.9 cm (3.5")
Weight	1.75 kg (3.86 lb) (PVC Housing, Acetron End-caps) 1.96 kg (4.32 lb) (Aluminum Housing, Acetron End-caps)
Depth Rating	60 meters (PVC Housing, Acetron End-caps) 750 meters (Aluminum Housing, Acetron End-caps)

STOR-X PLUS

Also available is the STOR-X PLUS which has all of the features of the standard STOR-X but includes a fully integrated pressure transducer (0-300 psi), external temperature sensor (-2.5°C to 40°C), and a 0 - 45° pitch and roll sensor.



Instrument Port Interface

Number of Ports	5
Switched Instrument Supply Voltage	Input Voltage to the STOR-X
Interface	RS-232, RS-422 or 0 to 5 VDC analog
Baud rate	User configurable (300 to 57600 bps)
Connector Type	6 Pin MC-BH-6F

Download/Programming Port Interface

Interface	RS-232 USB@ 300kbs
Baud rate	9600 bps to 115kbs