



STOR-X DATALOGGER

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 datalogger contains a controller with multiple serial ports for data acquisition along with a 256 MB CompactFlash disk to store the data. It acquires and logs data according to the researcher's specified sampling schedule. The STOR-X can log data for months at a time, limiting servicing and reducing costly field trips without the threat of losing valuable data.

The STOR-X can also be configured to run in real-time mode and collect data directly to a user's laptop. The STOR-X Plus option includes a Druck precision pressure sensor and a pitch-roll sensor. This option is perfect for combination real time profiling applications and remote deployments.

The STOR-X module uses a standard pressure case design, consisting of a 3.5" diameter corrosion resistant material. The enclosure is 11.25" long (excluding connections) and weighs 1.75 kg (3.9 lbs) in-air.

Applications:

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

System Features:

- Cell or Iridium modem interface port
- Low sleep current. 30 uA at 12 vdc
- USB interface for fast data transfers
- 5 switched power serial interface ports
- 4 16 bit A/D ports



STOR-X Plus - "Real Time or Stand Alone Mode"

All the features of the standard STOR-X plus the following accessories:

- 0-300 PSI Druck pressure Transducer (0.04% accuracy).
- -2.5 deg C to 40 deg C external temperature sensor
- 0 to 45 deg pitch and roll sensor



STOR-X SPECIFICATIONS

Input Voltage	6 to 18 VDC
Input Current @ 12 VDC:	Operating 50 mA Idle (sleeping) 30µA
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)

Instrument Port Interface Specifications:

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 Specifications:

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



For additional information about Satlantic's dataloggers, please contact info@satlantic.com or visit www.satlantic.com/loggers.

*Specifications may change without notice.
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