

DH4-6000

6000 m data logger

The DH4-6000 is a sensor interface module that provides for the collection, storage, and merging of analog and digital data from up to eight sensors in both profile and moored modes. It can be deployed to depths of 6000 m.

Features

- Complex sensor integration and data logging.
- Simultaneous collection, storage, and merging of digital data from up to eight serial output sensors in both profile and moored modes.
- Data from any of the sensors may be viewed in real-time through its own host software while data is being collected and stored for others.
- Supports a variety of serial-interface sensors.
- Window-based software that provides DH4-6000 configuration, control, data downloading, and data processing.



Options

- Up to 7 channels of analog input (in addition to the standard 8 channels of digital input or instead of??) can also be provided.

Data

Number of ports	4, 6, 8
Serial input	RS-232
Analog input	0 - 5 V
Analog input resolution	12 bit A/D
Baud rates	600 - 115.2K
Data transfer	Binary
Memory	1 GB

Electrical

Input	7 - 18 VDC
Current draw	50 mA
Sleep	70 μ A (maximum)
Maximum total power	3 A at input voltage
Maximum power per port	2 A at input voltage
Sample rate	6 scans/sec, nominal
Host interfaces	RS-232

Mechanical

Diameter	9.9 cm
Length	17.8 cm
Weight in air	2.5 kg
Weight in water	1.9 kg
Pressure housing	Titanium

Environmental

Temperature range	0 - 30 °C
Depth rating	6000 m