

# DH4

## Data logger

The DH4 is a sensor interface module that provides for the collection, storage, and merging of digital and analog data from up to eight sensors in both profile and moored modes. It can be deployed to depths of 500 m.

## Features

- Complex sensor integration and data logging.
- Simultaneous collection, storage, and merging of data from up to eight serial output sensors or seven analog 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 (RS-232) sensors as well as voltage-output (0 - 5 V) sensors.
- Window-based software that provides DH4 configuration, control, data downloading, and data processing.



## Options

- A total of 4, 6, or 8 channels, in user-specified combination of serial interface and/or voltage input (up to 7 channels of voltage input can 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 $\mu$ 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	10.4 cm
Length	17.8 cm
Weight in air	1.8 kg
Weight in water	0.3 kg
Pressure housing	Acetal copolymer

## Environmental

Temperature range	0 - 30 °C
Depth rating	500 m