



MARINE INFORMATICS LIMITED

Specialists in Technology for Marine and Environmental Data Acquisition

FlexiData Minilogger



Features :

- Rugged build**
- Flexible setup**
- Very Low Power**
- 1,4 or 7 ports,**
- Upto 28,000 Samples**
- Windows Software**

FlexiData MiniLogger

Data Logger for 0 to 5 Volt Sensors

Features

The FlexiData MiniLogger is a low power, general-purpose single or multichannel channel data logger for recording 0-5VDC sensor signals.

The FlexiData MiniLogger is a battery-powered device for remotely monitoring and recording environmental data from a wide variety of sensors. This highly reliable and accurate logger records upto 28000 readings and it is programmable with sampling intervals ranging from one reading per second to one reading per day. Data is stored on solid-state memory for later upload to computer for analysis and report generation.

The FlexiData MiniLogger is housed in a rugged IP68 enclosure. It has an internal 12 VDC battery that powers the logger for upto one year. FlexiData MiniLogger PC Windows software is provided to allow upload of data on any PC computer. Sensors may be left on continuously or switched on and off by the logger.

Analog Sensor Interface

The data logger can read most environmental and process control sensors. The channels read 0-5 VDC input or 4-20mA. In addition, the data logger provides a switched 12 VDC to the sensors to power them prior to taking a reading. The warm-up time is programmable depending on the sensor type. Options are available for 1, 4 or 7 analogue ports. Input resolution for analog sensors is 12 bit.

Pulse Channel Interface

Any of the Minillogger configurations can be delivered with an additional pulse channel.

Software

Easy-to-use software is provided with each FlexiData MiniLogger. There are 10 menu choices, allowing you to set date, time, recording interval, engineering units, initiate collection of data, set warm-up time and initiate observation of data. Tabular files may be viewed with the software and data can be exported to ASCII files.

Specifications

Recording Interval: *Programmable* : From 1 second to 1 day.

Memory: max 28,000 readings (wrap-around)

Battery Life: 12 VDC :1 yr.

Port options: 1, 4 or 7 analogue, 1 Pulse

Input: Analogue 0-5 VDC;

Resolution: 12 bit, 1 part in 4095

Enclosure Size: 280x260x140

Weight: ~ 1KG

Computer Interface: RS232C, 9-pin female connector provided

Software: 3.5" floppy disk, Windows compatible

Software Features: Programmable record interval, output in spreadsheet format.