



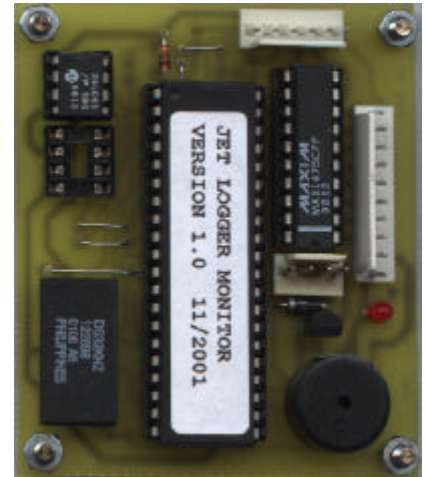
6 Channel Standalone Data Recorder – JETLOGGER

Jet-logger is a standalone 6-channel logger. Working on its own, the logger can measure voltages and store the data into its on-board memory for future retrieval. Various modern sensors available in the market can be connected to the logger. Connected to the Serial port of a computer, the logger can be also used as an o-line data logger.

The logger is initialised by a Window 95/98 compatible software via the Serial port of a personal computer or a portable computer. Once it is initialised, the logger can be disconnected from the PC and deployed to the designated locations. The logger will wake up after a programmed delay and log data. The data logger can be also used as an o-line data logger.

After the data logging session is completed, the logger is retrieved and connected to a computer. Data stored in the logger is downloaded in a PC and saved into a DOS text file. The file can be read into spreadsheet programs such as Lotus 123, Microsoft Excel for further analysis.

The JET LOGGER is supplied in OEM version (PCB version). It can be implemented in users' circuits, adding standalone data logging functions. Various sensors can be used with the JET LOGGER.



- ❖ Cost-effective and versatile standalone data logging solution
 - ❖ OEM version, (65mm by 57mm by 20 mm), can be implemented into users' circuits easily
 - ❖ Initialisation and data download via RS232 port of PC
 - ❖ Data file format: DOS delimited text format ready for spreadsheet applications
 - ❖ Windows 95/98 driver for initialisation and download
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- ❖ 6 analogue inputs, 0-2.5V input range, single ended
 - ❖ Resolution: 0.6 mV (12 bits)
 - ❖ Accuracy (over 0-35deg C): +/- 1 mV
 - ❖ Controlled excitation voltage to sensors (+5V max 100mA)
 - ❖ Programmable sleep time period
 - ❖ Selectable scanning rate (number of minutes between two temperature measurements: 0.5 second, 1 second to 60 seconds in 1 second step. 1 minute to 255 minutes range)
 - ❖ Highly accurate and temperature compensated real-time clock
 - ❖ 8 Kbyte (8192 bytes) on-board memory. Number of scans (6 channels per scan) is 890.
 - ❖ Power supply: 5.5V to 8V
 - ❖ Current consumption: 4 mV in active mode and 2 mV in idle mode
 - ❖ During a logging session, operation of the logger can be monitored by a computer without affecting its current operation
 - ❖ Can be also used as a RS232 on-line data logger (6 channels)
 - ❖ Extensive hardware diagnostics for effective health checking during system integration development
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- ❖ On-line data logging facility provided. Users can issue a command through the RS232 port and receive data from the data logger. A programming example is provided to show how this is done.
 - ❖ Operation temperature range: -10 to 85 deg C

