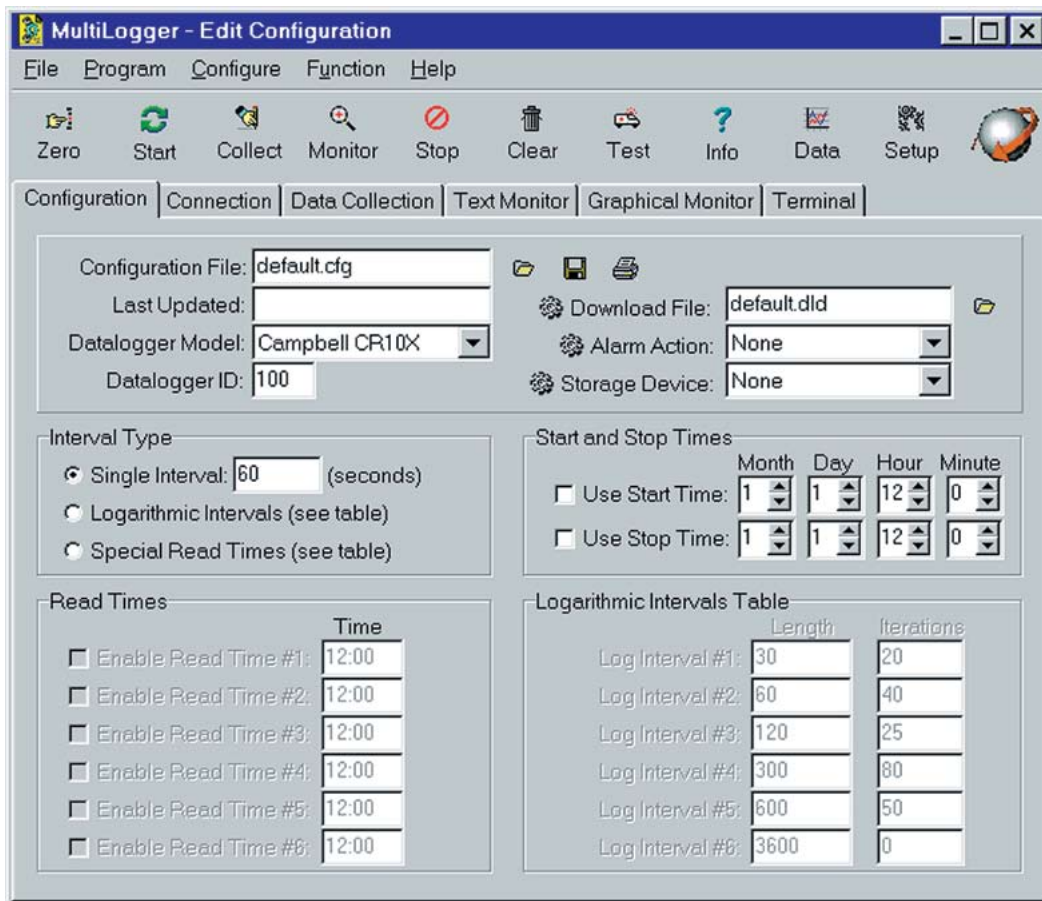


MultiLogger Software

Key Features

- Native 32-bit application designed for Windows® 95, 98, 2000, NT, ME, XP and Vista
- Easy to learn and use Graphical User Interface (GUI)
- Comprehensive context-sensitive help system and documentation
- Extensive program generation options
- Extensive user customization options
- Built-in alarm limit entry and monitoring
- Real-time monitoring capabilities using text and graphs (up to 4)
- Program modes such as Zero and Test to help with installation and troubleshooting
- Support for communication peripherals, TCP/IP Ethernet terminal servers and spread spectrum wireless
- Data analysis tool which includes a data editor, data selector, Excel compatible spreadsheet, report generator and charting tool



• MultiLogger configuration screen.

Program Function

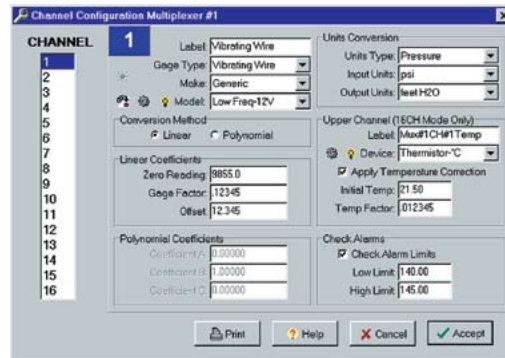
MultiLogger is designed to get a Micro-1000 data acquisition system up and running in a matter of minutes while still retaining the power and flexibility of the Campbell Scientific CR1000 Controller. The program which operates the datalogging system is created based on the options selected. These options include interval types and channel configuration and whether instruments are connected directly to the wiring panel of the Controller or through multiplexers.

Each measurement channel can be configured for instrument type and programmed to output temperature corrected data in engineering units. Alarm limits can also be specified. The wizard and program file editor permits the addition or modification of measurement types, conversions and/or alarms.

MultiLogger communicates with the Controller via direct connection, phone modem or other communication peripherals to download the program, monitor the system (using a text and/or graphical monitor) and collect data. Collected data may be stored in an ASCII file or Excel compatible worksheet. Other communication peripherals are also supported including TCP/IP Ethernet terminal servers and spread spectrum wireless transceivers. Custom communication devices may also be supported by using the communication device scripting feature of the software.

Channel Configuration

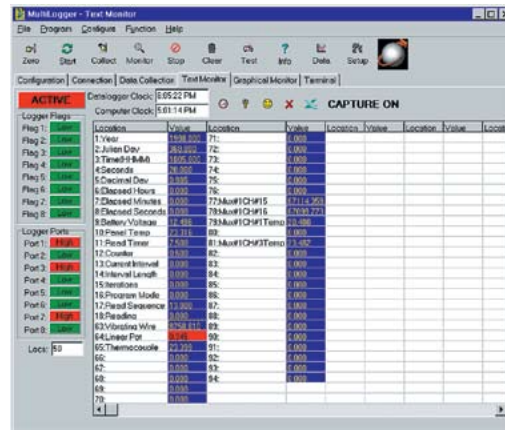
The channel configuration form configures instruments connected directly to the wiring panel of the Controller or via multiplexers. In addition you may also display descriptive help for the particular sensor selected as well as edit the extended parameters for each channel. Extended parameters refer to special processing that is done such as summing measurements from multiple channels. The wizard and program editor can be used to add custom gage types and conversion units. The multiplexer and configuration form is shown in Figure 1.



• Figure 1.

Text and Graphical Monitor

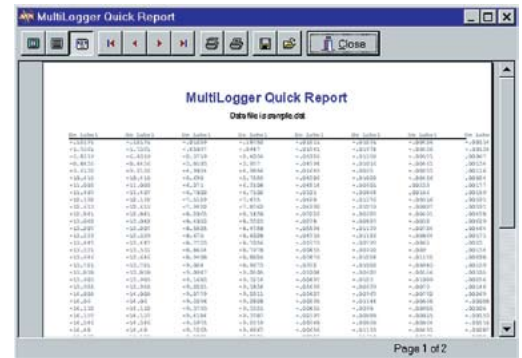
The text monitor screen is depicted in Figure 2. Up to 254 locations may be monitored. Monitor data may also be captured to disk.



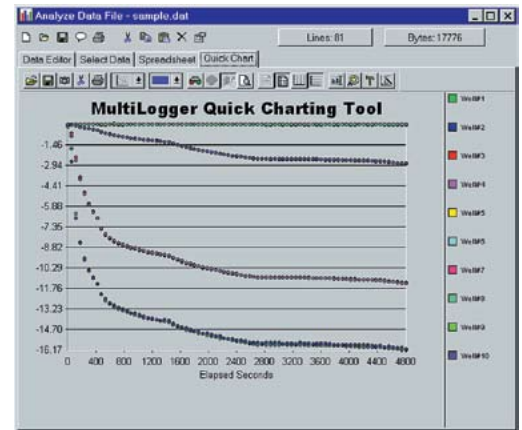
• Figure 2.

Data Analysis

MultiLogger includes a powerful data analysis tool comprised of a data editor, data selector, Excel compatible spreadsheet, report generator and charting tool. The editor allows you to modify your data files and save them in comma, tab or space delineated ASCII format. The data selector then selects data points based on criteria and processing you specify and sends it to either a spreadsheet, report or chart. Data selection parameters can be saved for later retrieval and execution. Views of the reporting and charting tools are shown in Figures 3 and 4.



• Figure 3.



• Figure 4.

System Requirements

MultiLogger is designed to run on Microsoft® Windows® 95, 98, 2000, NT 4.0 (workstation or server), Me, XP and Vista operating systems.

Minimum System Resources

Processor	486 running at 25 MHz
Memory	8 MB
Hard Disk	12 MB

Recommended System Resources

Processor	Pentium®/Pentium Pro/Pentium II or equivalent running at 166 MHz or better
Memory	32 MB
Hard Disk	20 MB



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