

VI Logger – Data Logging Software

NI VI Logger Full

- Configuration-based data logging software
- Real-time viewer and historical viewer
- Event detection and action
- NI LabVIEW connectivity
- Export data to NI DIAdem, Microsoft Excel, or other third-party packages
- Low-speed and high-speed logging

NI VI Logger Lite

- Subset of VI Logger Full functionality
- Included for free with every NI-DAQmx Device

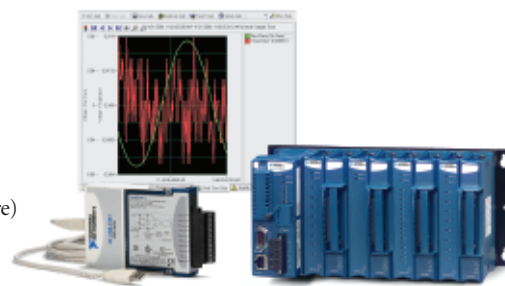
Operating Systems

- Windows 2000/XP

Compatible Hardware¹

- Plug-In DAQ Devices
 - M Series (PCI, PXI)
 - S Series (PCI, PXI)
 - E Series (PCI, PXI)
 - B Series (PCI, PXI)
- Portable DAQ Devices
 - E Series (USB, PCMCIA, FireWire)
- Signal Conditioning Products
 - SCXI Modules
 - SCC Modules
- Compact FieldPoint I/O Modules
- FieldPoint I/O Modules

¹Additional datalogging information available at ni.com/dataloggers



Overview

National Instruments VI Logger is an easy-to-use yet flexible tool specifically designed for your data logging applications. With intuitive windows and dialog boxes, you can configure your logging task to easily acquire, log, view, and share data. VI Logger is stand-alone, configuration-based data logging software – not a general-purpose application development environment.

Low-Speed and High-Speed Data Logging

VI Logger works with a wide variety of NI data acquisition (DAQ) devices, so you can log low-speed signals, such as temperature, and high-speed signals, such as audio. With the conditional acquisition and logging features, you can set up conditions that start acquiring and logging your data. Start an acquisition based on a date and time condition or an analog or digital trigger. In addition, you can begin logging based on a digital signal.

Real-Time and Historical Viewing

VI Logger comes with an easy-to-use viewer for your real-time and historical data. You can quickly scroll back and forth in time or jump to a specific time or value. With calculated channels, you can set up mathematical expressions using the data acquisition channels you defined for increased flexibility in viewing data.

Event Detection and Action

VI Logger can respond to events, such as out-of-range signals, by performing specific actions, including sending E-mail notifications, triggering digital outputs, writing to an analog channel, stopping/starting logging, or sounding an alarm.

Exporting Capabilities

Easily export your historical data to NI DIAdem, Microsoft Excel, or other third-party packages for further analysis or report generation. You can define advanced exporting options, such as the header and footer formats and variables you want to appear in your export file.

LabVIEW Connectivity

VI Logger allows you to generate an example program in NI LabVIEW.

Using LabVIEW, you can increase the capabilities of the system by integrating your data logging tasks with other measurement application tasks, such as tightly integrated measurement systems with multiple I/O devices, analysis, and report generation.

Feature	Lite Package	Full Package
NI-DAQmx support	✓	✓
Traditional NI-DAQ support	–	✓
FieldPoint support	–	✓
Viewing real time and historical data in graphs	✓	✓
Viewing data in Microsoft Excel	✓	✓
Viewing data in DIAdem	✓	✓
Generate LabVIEW example program	✓	✓
Exporting data to text or HTML files	✓	✓
Using calculated channels	–	✓
Using events	–	✓
Managing databases	–	✓
Publishing data to remote computers	–	✓
Specifying a database to save data for a particular VI Logger task	–	✓

Table 1. VI Logger and VI Logger Lite Comparison

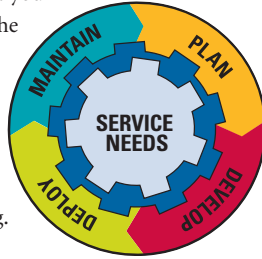
Ordering Information

NI VI Logger Full778389-03
 NI VI Logger LiteFREE With Every NI-DAQmx Device!



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Basic Service Level

- Upgrades purchased separately
- Support by NI applications engineers, R&D engineers, partners, and community members through online Developer Exchange
- Access to Knowledgebase, example code, troubleshooting wizards, solutions, and white papers

Standard Service Level

- Automatic upgrades included
- All the benefits of Basic Service
- Support by NI applications engineers through direct phone or e-mail access
- 10 percent discount on training courses and materials

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- All the benefits of Standard Service
- Support by NI senior applications engineers through direct phone or e-mail access with extended hours of operation



ni.com • (800) 813 3693

National Instruments • info@ni.com