Free software to get "Up & Running" quickly

PCI/ISA/PCMCIA

Free Bundled Software

For Plug-In Data Acquisition Boards

- 32-bit device drivers for programming in Visual Basic, C/C++, and Delphi
- TestPoint drivers for the TestPoint development package
- LabVIEW VIs (virtual instruments)
- ExceLINX for acquiring data directly from a board into Excel so that Excel's full functionality can be used to analyze the data
- VisualSCOPE for applications that require software that works like a benchtop oscilloscope
- Start-up test panel software

DriverLINX

- High-performance 32-bit drivers
- 32-bit applications
- ActiveX and DLL interfaces
- Visual Basic, C/C++, Delphi support
- Hardware-independent application programming interface (API)
- Multitasking and multiuser drivers
- Configuration and testing utilities
- Online help and documentation

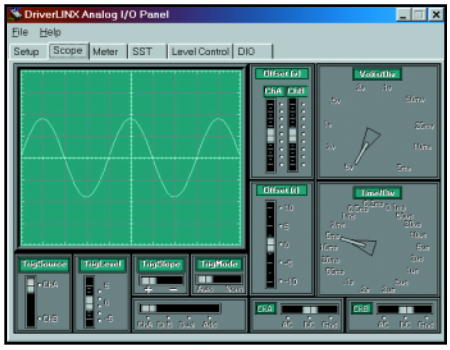
Keithley data acquisition plug-in boards come fully equipped with a suite of free software tools that run under Windows 95/98/NT/2000/Me/XP. This array of free software is designed to help users get applications "Up and Running" quickly and easily. For example, the start-up software utility makes it possible to interact with a new board in a matter of minutes. The 32-bit DriverLINX device drivers for Visual Basic, C/C++, and Delphi make it faster to define new applications by offering both DLL and ActiveX interfaces. Most boards include the following tools. The actual software packages supplied with a board will depend on the board's functionality.

Minimum System Requirements

Each of the software packages described here requires a minimum of:

- Intel or compatible 486DX or higher
- 16MB memory, 32 recommended (for DriverLINX, 8MB memory required for Windows 95/98, 64MB memory for Windows NT/2000/Me/XP)
- Microsoft Windows 95/98/NT/2000/Me/XP
- DriverLINX device driver software (for ExceLINX, VisualSCOPE, and LabVIEW VIs)

DriverLINX Data Acquisition Drivers



DriverLINX drivers are the industry's most advanced 32-bit application development device drivers for custom data acquisition under Windows. These drivers have years of field-proven experience in demanding data-acquisition applications. They are robust, fast, multitasking, and flexible. They provide the ability to control multiple boards or to share one board with multiple applications or threads.

Keithley's family of DriverLINX software drivers provides a common Application Programming Interface (API) to Keithley's extensive family of PCI-, ISA-, and PCMCIA-bus plug-in data acquisition boards, making these drivers ideal for custom applications development under Windows. The API also makes it easy to migrate existing applications to different boards. Although DriverLINX emphasizes hardware-independence, it still allows complete access to all the unique features of each board.

The API also provides developers a standardized interface to more than 100 services. These services create foreground and background tasks to perform analog I/O, digital I/O, time and frequency measurements, event counting, pulse output, and period measurement. In addition to basic I/O support, the DriverLINX API provides sophisticated built-in capabilities to handle memory and data buffer management; a rich selection of starting and stopping trigger events, including pre-, mid-point, and post-triggering protocols; extensive error checking and reporting capabilities; and a context sensitive online help system.

The DriverLINX 32-bit architecture supports Visual Basic, C/C++, and Delphi programming environments, includes a complete library of example programs, and is DLL based. DriverLINX is also fully ActiveX compliant, providing property pages and context-sensitive help. These features make it easy to use other ActiveX controls with DriverLINX, simplifying system development.

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A GREATER MEASURE OF CONFIDENCE

Free Bundled Software

For Plug-In Data Acquisition Boards

ExceLINX

- Intuitive Windows interface
- No programming required
- Get data with only a few mouse clicks
- Standard Excel add-in
- Analog and digital I/O supported
- Simultaneous analog input and output supported
- Uses all of Excel's features—including graphing and analysis
- Data acquisition templates provided

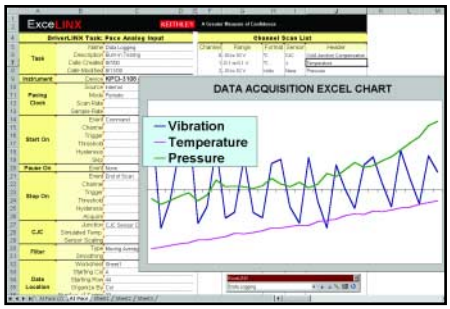
LabVIEW Palette of VIs

- LabVIEW 5.0 and above support
- High-performance 32-bit VIs
- Compatible with palette of VIs from National Instruments
- Easy, intermediate, and advanced VIs
- More than 50 examples provided

VisualSCOPE

- Intuitive Windows interface
- No programming required
- 1 or 2 channel input; 1, 2, or 4 channel display
- Transfer data and graphics easily to other Windows applications
- Store to disk and recall waveform files and instrument setups
- Simultaneously display live and previously stored waveforms
- Advanced triggering on +/- edge and level, internal or external
- High performance 32-bit interface

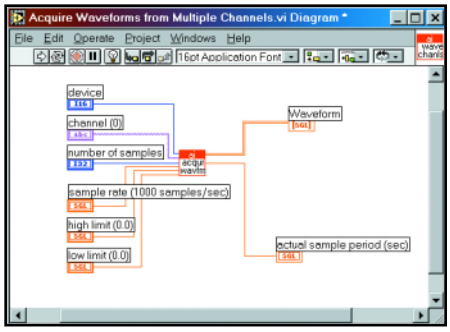
ExceLINX™ Excel Add-In



ExceLINX is an easy-to-use Excel add-in. Anyone who has used Excel will be able to acquire data directly from a data acquisition board and use any of Excel's graphics, charting, and analysis capabilities within minutes of installing ExceLINX. With ExceLINX, no programming is required. A few mouse clicks are all it takes to configure and run ExceLINX.

As soon as ExceLINX receives data, it immediately sends the data directly to the Excel spreadsheet. At the same time that ExceLINX is acquiring data and sending it to the Excel spreadsheet, Excel is processing the data. For example, Excel could be performing calculations and displaying the results on a graph as it receives the data. The user can see the graph being updated while data is being collected.

LabVIEW™ Palette of VIs

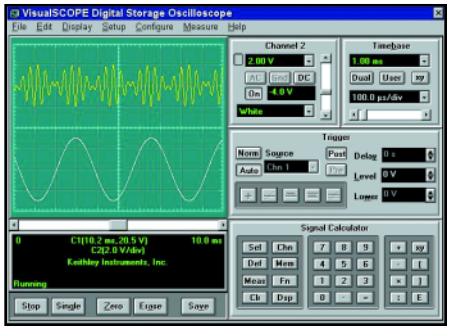


Keithley's palette of VIs (virtual instruments) supports LabVIEW 5.0 and above, a software environment in the data acquisition industry. Keithley supplies 69 easy, intermediate, and advanced VIs that interface your LabVIEW software applications to Keithley's data acquisition boards. Keithley's VIs fully conform to the LabVIEW data acquisition model.

Each of Keithley's VIs directly corresponds to a VI from National Instruments for AI, AO, and DIO, providing the same "form and feel." No new learning curve is required. An application can use VIs from both Keithley and National Instruments, so the application can use both companies' hardware.

Keithley's VIs are divided into groups and they form a hierarchy—easy, intermediate, and advanced. Easy VIs provide a quick solution to common data acquisition tasks and include built-in error handling. Intermediate VIs provide more control over the hardware and the error handling to create custom solutions. Advanced VIs provide full control over creating a data acquisition task.

VisualSCOPE™ Digital Storage Oscilloscope for Windows



VisualSCOPE is an intuitive software package that captures, analyzes, and plots waveforms and can also transfer data and graphic images to other Windows applications without programming. Its displays are just like those of a standard benchtop oscilloscope, minimizing the amount of training required. It supports 14 automatic real-time waveform measurements and comes with a signal calculator for waveform math. Cursors are used to directly and precisely measure the time, amplitude, and frequency values of signals. VisualSCOPE displays one or two live channels and up to two previously saved or calculated channels. With just three mouse clicks, a user can begin acquiring, analyzing, and archiving analog data.

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