

ACADEMIC SOFTWARE SOLUTIONS

Fall 2001

Thank you for purchasing this Department, College/Faculty, or Campus license of National Instruments software. Please read this document to familiarize yourself with the contents of this license.

The thirteen-CD software set includes the following:

- LabVIEW PDS¹ 6i for Windows CD, with HiQ (6.0.2)
- Measurement Studio Full Development System CD (6.0)
- LabVIEW 6i PDS for Macintosh CD (6.0.2)
- LabVIEW 6i for UNIX CD (**Solaris**) (6.0.2)
- LabVIEW 6i PDS for Linux CD (6.0.2)
- LabVIEW 6i PDS French for Windows (6.0.2)
- LabVIEW 6i PDS German for Windows (6.0.2)
- LabVIEW 6i PDS Japanese for Windows (6.0.2)
- LabVIEW Datalogging and Supervisory Control Module (6.0.2)
- IMAQ Vision Development Software for LabVIEW
- IMAQ Vision Builder
- LabVIEW Real-Time 6i PDS for Windows
- Add-On Software CD (**Windows and Macintosh only**)
 - Signal Processing Toolset
 - System Simulation and Design Toolset
 - Enterprise Connectivity Toolset
 - PID Control Toolset
 - Sound and Vibration Toolset
 - Order Analysis Toolset
 - Report Generation Toolset for Microsoft Office

¹ Professional Development System

Products to Help You Get Started

- LabVIEW Basics Interactive CD—A multimedia training CD for new users of LabVIEW. The content is the same as the LabVIEW Basics I course, which is a three-day, hands-on class.
- DAQ Designer CD—An interactive utility to assist you in selecting the appropriate data acquisition products for your application. This utility also recommends any special signal conditioning, such as filtering, isolation, and amplification, needed for accurate measurements.
- Instrupedia CD—An encyclopedia of instrumentation offerings from National Instruments. This CD contains the National Instruments *Measurement and Automation* catalog, Technical Notes, Application Notes, and customer solutions.

Academic Resources CD 2001

National Instruments is proud to include a CD with a comprehensive collection of the following reference materials for use in academia:

- Pre-written courseware manuals—Currently there are six courseware manuals useful in mechanical and electrical engineering, physics, and industrial technology. The manuals provide a complete description of the experiments and LabVIEW VIs that control the experiment.
- Customer Solutions—In the past year National Instruments has developed a library of customer success stories that demonstrates the benefits of computer-based tools in science and engineering education. A two-page solution gives you a brief introduction to the application and the benefit of your colleague's experience. This library also provides contact information so you can request additional information from the author.
- Papers from the American Society of Engineering Educators (ASEE) conference proceedings (1996–1999)—Many of the papers presented at the ASEE annual conferences are about the use of National Instruments products and technologies. ASEE has made the papers available for distribution on this CD.
- *International Journal of Engineering Education* (IJEE), Special LabVIEW Issue—IJEE, recognizing the popularity of LabVIEW in education, has dedicated a special issue to LabVIEW and its use in electrical, mechanical, chemical, and biomedical engineering. IJEE has made all of the papers published in the special LabVIEW Issue available for distribution on this CD.

- *Distance Learning Solutions Guide*—The ability to network a computer makes computer-based tools more appropriate for distance learning applications than traditional stand-alone units. The *Distance Learning Solutions Guide* provides a brief overview of technologies and customer applications for remotely operated laboratories.

This Academic Resources CD 2001 also includes information about special academic products, a guide to measurement and automation reference books, and other resources. Refer to ni.com/academic for more information about academic resources.

Documentation

Sets of LabVIEW English manuals are included. Documentation for the Add-On Software and Measurement Studio components are online. Also, you can download all product manuals from ni.com/manuals at no additional cost. You can purchase localized LabVIEW manuals for French, German, and Japanese by contacting the National Instruments branch in your area.

Serial Numbers

You can find your serial number on the yellow Certificate of Ownership card. Use this serial number when installing all software in this package. Please fill out this card and return it to National Instruments. We will use the name provided for future updates if you have a maintenance agreement.

Changes Since Spring 2001 Release

- LabVIEW Real-Time 6i PDS for Windows
- Add-On Software CD (**Windows and Macintosh only**):



Note If you need Add-On Software for UNIX/Linux, please contact your nearest branch. No Add-On Software for UNIX/Linux has changed since Spring 2000.

- Sound and Vibration Toolset (new)
- Order Analysis Toolset (new)
- Report Generation Toolset for Microsoft Office (new)
- Signal Processing Toolset 6.0 (new version)
- SQL Toolkit for LabWindows/CVI 2.0.5 (new version)

Additional Software Available for Licensing

You also can purchase a site license for Lookout. Lookout is industrial automation software that is object-based and requires no programming, scripting, or compiling. For a site license such as campus, college/faculty, or department, you must purchase one copy of Lookout and an associated upgrade agreement at a regular academic discount.

Additional Software You Can Request

In addition to the software you can purchase, you can request CDs for the following software at no additional cost:

- **IVI Driver Library**—Software that allows you to interchange instruments in test systems without software modification. For example, the IVI oscilloscope driver works with all IVI-compatible oscilloscopes, regardless of manufacturer or interface type (GPIB, serial, VXI, PXI, and so on).
- **Instrument Drivers**—Software programs designed to control programmable instruments such as oscilloscopes and multimeters, but do not provide the interchangeability of IVI drivers.

Refer to ni.com/idnet for instrument drivers.

LabVIEW Student Edition

National Instruments and Prentice Hall are pleased to announce the availability of LabVIEW 6i Student Edition, which allows students to use this powerful engineering software at home. LabVIEW 6i Student Edition includes *Learning with LabVIEW 6i*, by Dr. Bob Bishop of the University of Texas at Austin.

LabVIEW Student Edition allows instructors to assign LabVIEW homework. Students can then take the VIs they partially developed in the classroom and work on them at home.

Instructors can visit the LabVIEW Student Edition Web site at ni.com/labviewse to request a complimentary copy of LabVIEW Student Edition.

Add-On Software CD (Fall 2001)

This CD includes add-on software for LabVIEW and Measurement Studio. To install your add-on software, run the setup program from the appropriate directory. Documentation is included in each directory in PDF format. You can download Adobe Acrobat Reader from the Adobe Web site, www.adobe.com.



Note When installing add-on software on Windows 2000, you might receive a warning that you are installing on the wrong operating system. You can safely ignore this warning.

Table 1 describes the software included for use with LabVIEW.

Table 1. LabVIEW Add-On Software

Software	Components
Enterprise Connectivity Toolset	Internet Tools version 5.0 SQL Tools version 5.0 Statistical Process Control Tools revision C
Signal Processing Toolset Note: Only the Windows version numbers are listed.	Digital Filter Design Tools version 6.0 Joint Time Frequency Analysis Tools version 6.0 Wavelet and Filter Bank Design Tools version 6.0 Super-Resolution Spectral Analysis Tools version 6.0
PID Control Toolset	PID Tools version 5.0 Fuzzy Logic Tools version 5.0

Table 1. LabVIEW Add-On Software (Continued)

Software	Components
Simulation Tools	System Simulation and Design Toolset version 5.0
Miscellaneous	Automation Symbols version 1.0 for LabVIEW Sound and Vibration Toolset version 1.0 Report Generation Toolset for Microsoft Office version 1.0 Order Analysis Toolset version 1.0

Table 2 describes the software included for use with LabWindows/CVI.

Table 2. LabWindows/CVI Add-On Software

Software	Components
Enterprise Connectivity Toolset	Internet Tools version 1.0 SQL Tools version 2.0.5 Statistical Process Control Tools version 1.1.1
PID Control Toolset	PID Tools version 1.1
Signal Processing Toolset	Digital Filter Design Tools version 6.0 Joint Time Frequency Analysis Tools version 6.0 Wavelet and Filter Bank Design Tools version 6.0 Super-Resolution Spectral Analysis Tools version 6.0

Table 3 describes the software included for use with ComponentWorks.

Table 3. ComponentWorks Add-On Software

Software	Components
Automation Tools	ComponentWorks Automation Symbols version 1.0
PID Tools	ComponentWorks Autotuning PID Tools version 1.0