ACADEMIC SOFTWARE SOLUTIONS

Spring 2000

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

The six-CD software set includes:

- LabVIEW 5.1 for Windows CD, with HiQ
- Measurement Studio Full Development System CD
- LabVIEW 5.1 for Mac CD
- LabVIEW 5.1 for UNIX CD **(Solaris and HP-UX)**
- LabVIEW 5.1 for Linux CD
- Add-On Software CD
    - Signal Processing Toolset
    - System Simulation and Design Toolset
    - Enterprise Connectivity Toolset
    - PID Control Toolset
    - Motion Control Tools
    - HiQ for Macintosh

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 (filtering, isolation, 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.

- Courseware—Experiments which include LabVIEW programs that can be used for classroom demonstrations and exercises:

  - Fundamentals of Digital Electronics—Courseware for teaching the basics of digital electronics using LabVIEW.

  - A Survey of Modern Computer-Based Experiments—Courseware consisting of 13 lab projects for engineering and physical science labs using LabVIEW and National Instruments data acquisition products.

  - Modern HMI/SCADA Systems—Courseware for Human Machine Interface/Supervisory Control and Data Acquisition for distributed and industrial control applications using Lookout software and an RTU simulator.

To help you get started, refer to the Web, `http://www.ni.com/academic`, for additional information.

Documentation

Several sets of LabVIEW manuals are included, depending on your site license. Documentation for the Add-On Software and Measurement Studio components are online. Additionally, you can download all product manuals from `http://www.ni.com/manuals/` at no additional cost.

Serial Numbers

Your serial number is found on a bright 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 Fall 1999 Release

National Instruments is pleased to include Measurement Studio Full Development System. It includes the following components:

- LabWindows/CVI

- Tools for VisualBasic (ComponentWorks)

- Tools for Visual C++ (ComponentWorks++)

Refer to `http://www.ni.com/mstudio` for more information about Measurement Studio.

The following software was updated on the Add-On Software CD:

*   LabWindows/CVI SQL Tools version 2.0.5

Additional Software Available for Licensing

For a site license such as campus, college/faculty, or department, you must purchase one copy of the following software and an associated upgrade agreement at a regular academic discount.

*   BridgeVIEW (also known as LabVIEW for Industrial Automation)—Software that leverages the graphical programming of LabVIEW to deliver industrial measurements across the manufacturing enterprise.

*   Lookout—Industrial automation software that is object based and requires no programming, scripting, or compiling.

Additional Software You Can Request

In addition to the software listed above, 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 instance, the IVI oscilloscope driver works with all IVI-compatible oscilloscopes, regardless of manufacturer or interface type (GPIB, serial, VXI, PXI, and so forth).

*   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 the Web, `http://www.ni.com/idnet`, which distributes instrument drivers.

LabVIEW Student Edition 5.0

National Instruments and Prentice Hall, which has now acquired Addison Wesley Longman college engineering division, are pleased to announce the availability of LabVIEW Student Edition 5.0, which allows students to use this powerful engineering software at home.

LabVIEW Student Edition 5.0 allows instructors to assign LabVIEW homework. Students can then take the VIs they partially developed in the classroom and work on them at home.

If you are using LabVIEW 5.1 in the classroom, save the VIs in the LabVIEW 5.0 format so students can open them in the LabVIEW Student Edition 5.0.

Instructors may visit the LabVIEW Student Edition Web site at `http://www.ni.com/labviewse` to request a complimentary copy of LabVIEW Student Edition 5.0.