Labtech Notebook is an integrated software package for data acquisition, process control, monitoring and data analysis. Running on both PC and PS/2 and compatible computers, it will fully complement your data acquisition system, utilizing all its advanced features while insulating the user from the low-level instructions the acquisition system hardware requires. Collected data may be processed in real-time through an extensive list of mathematical functions, displayed to the screen, and logged to disk in a format directly compatible with most spreadsheet programs.

**ICONview is a graphical user interface (GUI) for Labtech Notebook.**

ICONview lets you create data acquisition and control setups by moving and connecting icons. Users can easily view, configure and manipulate even the largest setups with just a few mouse clicks. Depending on your needs, you can design a setup from within the Labtech menus or use ICONview. ICONview presents all Labtech setup functions (Channels, Windows, Traces and Files) in one place: the ICONview drawing board. From here, users can structure an application graphically, by using the icons as building blocks and connecting them to show the relationships and data flow between Labtech functions. With ICONview, each icon in the setup has its own menu page. An icon’s menu page can be modified from within ICONview or through the menu system. You can also design a setup through the menus and then go to ICONview to view the setup and make additional changes.

Labtech Notebook’s front-end user interface, Realtime Vision, gives you all the tools you need to quickly create a customized display that is ideal for your application. Trend charts, meters and bar charts display data in real time. Knobs, switches and sliders add real-time control and adjustments. Vision’s drawing and animation features give your display a “true-to-life” depiction of your application.

**Notebook Pro**

Notebook Pro is an enhanced edition of the standard Notebook. While Labtech Notebook supports only one display screen, Notebook Pro supports up to five different display screens. It also includes support for EEE-488 and RS-232 communications, a C-icon development kit for creating C-programming icons, and an I/O driver toolkit for writing custom data acquisition drivers. Notebook Pro also includes high speed DMA support, client/server network DDE, ramp and soak and cascade control capability. Notebook Pro also allows users to import bitmaps, have background picture bitmaps, and provides for multiple animations per object.

SWD-LTN-WIN

$695

Basic Unit

- Easy to Use Icon-Driven Interface; No Programming Required
- Real Time Data Acquisition, Data Display, Multitasking and Datalogging
- On-Line Math, Statistical and Logical Calculations Available

**Notebook Pro Additional Features**

- IEEE and RS-232 Support
- High Speed DMA Support
- Ramp and Soak and Cascade Control
- Additional Display, Drawing and Animation Capabilities

*Discount may only be applied to the cost of data acquisition hardware purchased at the same time as the software. If the hardware costs less than the discount, the maximum discount is the cost of the hardware.*
Specifications

No. of Blocks: 100; 300 for Notebook Pro. **Note:** function blocks refer to input points, output points or calculated values. A system with 24 analog inputs, 4 analog outputs, 16 digital outputs and 20 calculated values would require 24 + 4 + 16 + 20 = 64 blocks.

Screens: 1; 5 for Notebook Pro

Interface: ICONview iconic graphical interface

Data Acquisition: Real-time standard

Analytical Capabilities: On-line calculations for mathematical, statistical and logical functions in real-time

Datalogging: Real-time, in standard formats

Data Collection: Analog input, resistance, digital input, strain gage, thermocouple, counter, thermistor, frequency, RTD, interprocess communication

Trigger: Analog input, calculated values, digital inputs

Sampling Rates: Different per channel

Process Control: Open or closed loop

Pretriggering: Standard

Replay Stored or Theoretical Data: Standard

Display Types: Waveform plots, X-Y, Y-t, horizontal and vertical bar graphs, analog and digital panel meters; user-customizable; multiple signals per display also available with Notebook Pro

Control Objects: Knobs for inputs of variable data, on-off buttons, sliders; user-customizable

Drawing Features: Line segments, arcs, freehand lines, rectangles and squares (filled/unfilled), ovals and circles (filled/unfilled), polygons and freehand shapes; import bitmaps, background picture bitmaps also available for Notebook Pro

Animation: Move, rotate, change color, and shrink/grow objects in response to input data; multiple animations per object also available for Notebook Pro

NOTEBOOK PRO ADDITIONAL FEATURES

High Speed DMA Support: Stnd. (Notebook Pro only)

Interface Support: GPIB/IEEE, RS-232 devices

Client/Server: Network DDE support

C-Icon Development Kit: Included

I/O Driver Toolkit: Included

Control Capabilities: Ramp and soak and cascade control supported

System Requirements: Microsoft Windows 3.1, Windows 95/98 or WIN 98/NT/2000 IBM compatible, 486 or better (Pentium preferred) 16MB Memory (32MB preferred) VGA graphics or better

Supported Hardware (Consult Engineers for the latest support):

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<th>Model No.</th>
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<tr>
<td>SWD-LTN-WIN</td>
<td>$695</td>
<td>Labtech Notebook for Windows 3.x</td>
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<tr>
<td>SWD-LTN-WIN95</td>
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<td>1195</td>
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<td>SWD-LTNPRO-WIN95</td>
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Each unit supplied on CD ROM with complete operator’s manual.

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- **Flow and Level**
  Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

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  Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH electrodes and Instruments, Water and Soil Analysis Instrumentation

- **Data Acquisition**

- **Pressure, Strain and Force**
  Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

- **Heaters**