

## Product Overview

# TESTPOINT

**TestPoint** is software for designing test, measurement and data acquisition applications.

[\(Who uses it already?\)](#)



TestPoint is proven and reliable with advanced features found nowhere else. See for yourself. Get your [free TestPoint CD](#). We'll help you get started today. TestPoint delivers the most value for your dollar on all versions of Windows and we're here to prove it. And to extend the capabilities even further, see our specialized *Toolkits*:

[Internet](#)

[Database](#)

[Statistical Process Control](#)

### Analog to Digital Conversion

TestPoint provides high-level A/D functions to simplify data acquisition.

A/D samples can be scaled, offset or linearized as single samples or vectors then plotted either as a static graph or strip chart. A/D samples can be displayed and graphed with just two action lines.

### A/D Multitasking

TestPoint can acquire data from multiple sources while processing A/D entries in real time. For example, TestPoint can update a DMM reading while adding points to a strip chart from an A/D card. You can acquire data while running other Windows applications.

### Speed

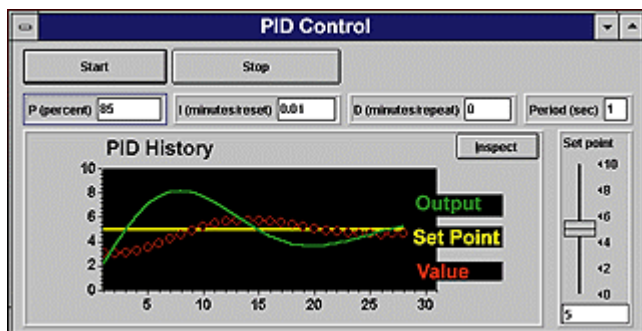
A/D cards operate at their full specified speeds under TestPoint so that data rates are limited only by the hardware chosen for the task.

### Digital to Analog Conversion

TestPoint provides high-speed control of D/A cards for control systems and generation and editing of arbitrary waveforms. Sine, ramp, triangle,



and square waves, amplitude and burst modulation and arbitrary waveforms of unlimited length and variety are just a few of the features TestPoint offers.



TestPoint includes examples for PID control, thermocouples, strip charts, XY charts, and much more.

TestPoint supports all the functions and commands of all IEEE-488, RS232 and RS485 instruments.

### Speed and Versatility

TestPoint brings extraordinary capability to IEEE-488 and RS232 instrument control. The goal of making instruments easy to program has finally been achieved. Data transfer, serial and parallel polling, triggering, and all IEEE-488 commands are accessed with a single click. You can also package instrument commands of your choice so that often used commands are immediately available as a drop-down list. Special requirements like individual instrument timeouts are easily customized from a checklist.



**All of the functions of the IEEE-488 (HP-IB, GP-IB) bus are available and there are no compromises in speed.** Using our 488EX card, sustained data rates over 1 Mbyte/second are as easy as clicking on output or enter. Productivity enhancements include the ability to automatically read and convert data of any format. TestPoint will also sort through combinations of strings, ASCII numeric, and binary data to let you breeze through the toughest data formatting problems.

### Universal Instrument Library

The GP-IB and RS232 instrument objects in TestPoint support **all instruments, all functions and all commands**. TestPoint provides hundreds of instrument-specific objects (DMM's, oscilloscopes, function generators, etc.) for your convenience.

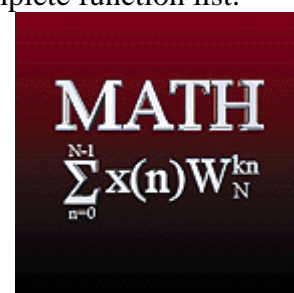
### RS232 and RS485 Communications

Serial communication functions are available from a drop down list to support up to nine communication ports with custom settings for timeouts, I/O delimiters, queue size and event signaling.

TestPoint provides standard and advanced math functions. Logical and string operators. Scalar, vector, array and list processing. Refer to our [specifications](#) page for a complete function list.

### Mathematics

TestPoint's Math Object let's you calculate simple or complex formulas with any number of variables. Arithmetic, modulo operators, exponentiation, comparisons, logic operators, vector replacements, string, trigonometric, and log functions are all available. FFT's and inverse FFT's, filters and other advanced functions provide fast data analysis and the list of math functions is constantly growing. The TestPoint math interface has been carefully researched to provide maximum benefit for minimum time



investment. You can drag and drop variables without retyping, it takes just two lines to graph an FFT and TestPoint handles string variables as easily as numbers.

Math functions are represented just as you would write them and functions can apply to numbers, vectors and arrays. Simple or complex formulas are built quickly with clear understandable names and without selecting, connecting or drawing additional icons.

**Information access** is the key to rapid test setup, execution and problem resolution. Walk through any test department and you'll find drawings, notes, and pictures. Information that needed for all kinds of tests. TestPoint gives you immediate access to that information. There is no limit to the size, color or complexity of drawings that TestPoint can manage. If you can put it in your computer you can display it with TestPoint.

**Once your information is in TestPoint you can quickly share it locally or across a network with Excel, Word, Access and many other applications. Just click on edit copy in TestPoint and edit paste in your application. Nothing could be easier.**

TestPoint handles multiple files in one or more display panels and information can be made visible or hidden in milliseconds so that you don't have to wait. TestPoint is the key to rapid information access.



From digital I/O to pictures or schematics, TestPoint can handle all of your information processing, display and transmission needs.

#### **Hardware VAR's and OEM's**

TestPoint applications run great and look great too. Your applications will have the quick response and professional look and feel that will set your products apart from the competition. The application you deliver needs to look good to make a good impression on your customers. Why settle for less? You can scan photos, slides or artwork and use them with TestPoint to let pictures be the guide through your test. With TestPoint you'll make a great first impression and an even better lasting impression with clear easy-to-read displays and graphics. TestPoint is the only product that supports your entire project from data acquisition to professional presentation.

#### **Distributing Your Applications**

**There are no license fees** associated with the applications you create. A built-in runtime utility, puts your test and all related files into **one neat package for distribution**. The packaging utility also includes a Windows installation program. When a customer receives your TestPoint runtime disk, all they need to do is click on Start > Run and enter a:setup. It's fast, easy and professional. **Your TestPoint applications install, run and look just like commercial, off-the-shelf products.**

#### **Best In Its Class**

After installation, any number of runtimes can execute simultaneously and each application supports multitasking. The ease of creating a runtime under TestPoint is complimented by the diversity of buttons, displays, graphics, and data entry fields TestPoint provides to let your application be the best in its class.

#### **OEM and VARS**

TestPoint lets you provide professional Windows applications at a zero cost-of- goods sold. Your

add-in card, instrument or peripheral can ship with a Windows application, created using TestPoint, that will instantly open up advanced features like networking , client/server DDE, file read/write, high level analysis and graphics, all with the simplicity of a familiar point and click interface.



**Free runtimes.  
No license fees  
No hassles.**

From bench to production, TestPoint does all the work to package your application so that it installs, runs and looks like the best professional software.

### **TestPoint Provides Value and Performance**

TestPoint's software functions can replace hardware functions worth thousands of dollars. TestPoint can also provide features that aren't available in hardware.

### **New Measurement Capabilities**

Compare waveform delay and phase, store an unlimited number of waveforms, create templates and test signals or use the FFT functions to examine your signals in the frequency domain. Processing and analyzing signals within TestPoint will extend the usefulness of every oscilloscope on your production line without the cost of a hardware upgrade.

### **Simplified Testing**

Built-in functions like vector arithmetic make it easy to compare binary or ASCII waveforms. TestPoint lets you capture or create test templates and store and retrieve them automatically. TestPoint detect out-of-range conditions, store test waveforms, print and record measurement statistics. TestPoint promotes accurate and repeatable testing with sharp graphics and clear indicators in your choice of colors, backgrounds, and sizes.

### **Cutting Through the Paperwork**

When the test is finished the paperwork begins. However, by incorporating "hot links" between TestPoint and your spreadsheets, databases and word processing files, the paperwork can be done the instant the test is finished.



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**Now is the time to order TestPoint.**

**Call 1-800-234-4232. We can have TestPoint on your desk tomorrow.**

**No risk guarantee. You have 60 days to evaluate TestPoint. If it doesn't meet your expectations send it back without obligation.**