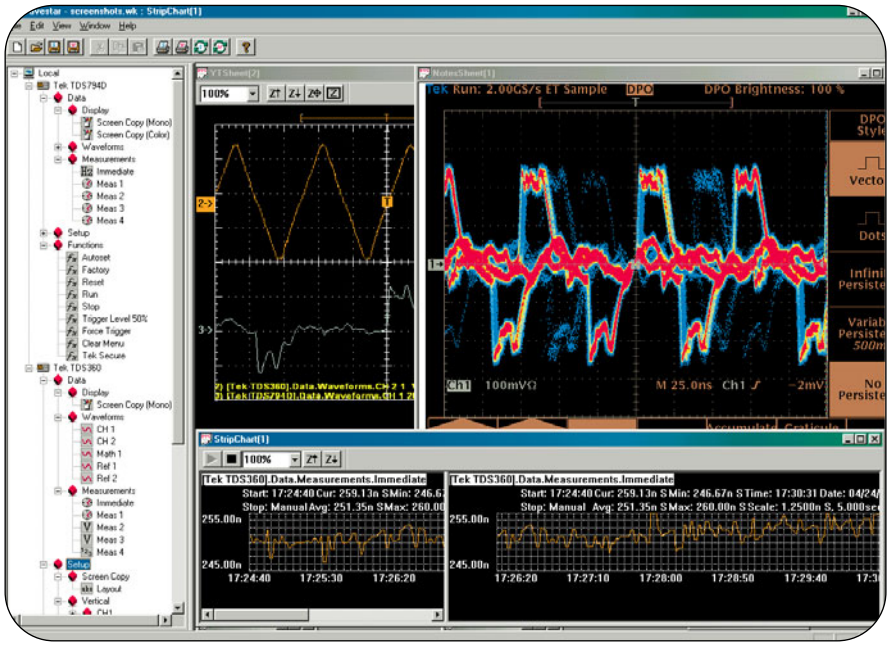
WaveStar™ Software for Oscilloscopes

WSTRO



Software to Capture, Analyze, Document and Control Data

WaveStar™ for Oscilloscopes is a Microsoft Windows application bringing measurement information to your Windows desktop.

Capture

Set up communication to instruments through the WaveStar Instrument Manager. The Explorer View displays these instruments and reveals their corresponding properties. To capture measurements, select a property, click, drag and drop into an active application sheet and begin analysis.

Analyze

Use up to twelve data sheets for analysis:

Graticule Sheets – Capture waveforms in YT or XY mode. Graphically view or edit multiple waveforms and masks on a graticule, with the same scale and position as the oscilloscope. Includes cursor measurements, horizontal and vertical gates, zoom function and annotation.

Instrument Explorer Sheet – Move and manipulate files to and from the MS Windows desktop or other instruments, add/delete directories, format drives and more.

Stripchart Sheet – Automatically plots multiple waveform measurements, such as rise time data, in a classic stripchart fashion. Sheet features cursor measurements, alarm control and annotation capabilities.

Tabular Sheets – Capture, store, display and edit either waveform or data log information as a table of numbers on corresponding sheets. The Scalar Viewer Sheet displays measurements from the oscilloscope.

Measurement Sheet – Calculate frequency, pulse width, rise/fall time, duty cycle, overshoot, peak-to-peak, amplitude, min, max, mean, cycle mean and RMS measurements.

Harmonic Analysis Sheet – Produce power waveforms from current and voltage and calculate up to 51 harmonics.

Features & Benefits

- Capture Measurement Waveforms and Data Easily Without Programming
- Create, Edit and Transfer Telecommunication Masks
- Access, Organize, Move and Manipulate Instrument Files
- Data Log Measurements from Single or Multiple Instruments
- Perform Harmonic Analysis on Power Waveforms
- Control Instrument Settings and Measurements Remotely from the PC
- Works on Tektronix Open Windows Oscilloscopes
- WaveStar Reader Application Included for Information Sharing
- 30-day WaveStar Product Evaluation Available at www.tektronix.com

Applications

- Telecommunications
- Digital Design
- Research and Development
- Manufacturing Test
- Service
- Education

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WaveStar™ Software for Oscilloscopes

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▶ Table 1. Tektronix Supported Instruments

Series*1	Restore*2	Settings*2	Picture*2
TDS200/1000/2000/3000B/ CSA8000B	Yes	Yes	Yes
TDS400/500/600/700/5000/ 6000/7000B/8000B/ CSA7000B	Yes	Yes	Yes
THS700	Yes	Yes	Yes

*1 Includes the newest DPO oscilloscopes.

*2 Restore waveforms, acquire/restore settings, acquire picture.

Notes Sheet – Prepare simple reports; capture and save instrument hard copy; save, edit and restore instrument setups.

Document

Quickly and simply insert information into Microsoft Office applications, such as Excel, Word or PowerPoint. Transfer Information into Microsoft Windows applications, such as MATLAB, through the MS Windows clipboard.

▶ Characteristics

Software Compatibility

Instrument Interface Support – GPIB, LAN, or RS-232 interfaces with full talk-listen modes.

Windows Clipboard – Drag and drop to compatible Microsoft Office applications or copy/paste through Windows clipboard.

Printer Plotter Support – Uses standard Microsoft Windows printer drivers.

Waveform Export Format – Microsoft Excel 6.0 compatible.

Computer Configuration

Required –
Type: IBM PC-compatible.
Operating System: Windows 98SE/ME/2000/XP Pro or Windows NT 4.0, SP6+.
CD-ROM Drive: 4X or better.
Monitor: Super VGA.

Recommended –
Processor: Pentium, 500 MHz.
RAM: 128 MB.
Instrument Interface Card: GPIB: National Instruments or CEC IEEE-488 Interface Card.
RS-232: One free RS-232 port.
Ethernet Interface Card: Inquire about Tektronix AD007, GPIB-LAN Adapter, TekVISA on Tektronix Open Windows Oscilloscopes.

▶ Ordering Information

WSTRO

WaveStar Software for Oscilloscopes, Microsoft Windows 98/ME/2000/NT 4.0 version.

Includes: CD-ROM, manual (071-0220-XX).

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Updated 20 September 2002

Our most up-to-date product information is available at:
www.tektronix.com

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10/03 HB/WWW 60W-12123-5

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