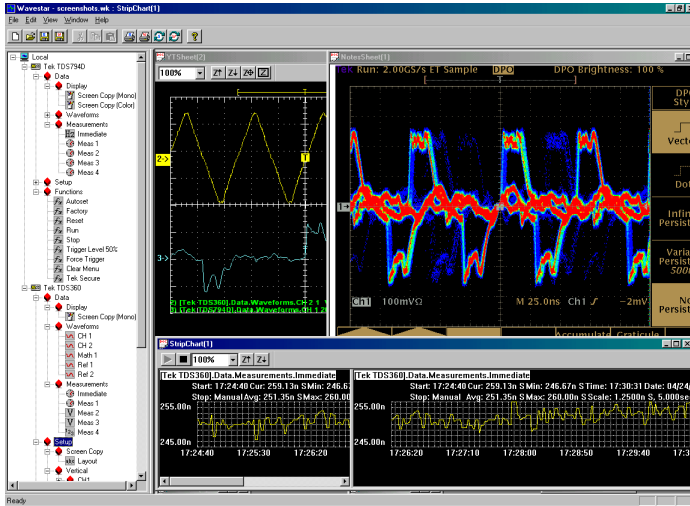


# WaveStar™ Software for Oscilloscopes

## WSTRO Data Sheet



## 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](http://www.tektronix.com)

## Applications

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

## 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.

**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.

**Table 1 – Tektronix-supported Instruments**

Series	Restore*1	Settings*1	Picture*1
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 Restore waveforms, acquire/restore settings, acquire picture.

## 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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**For Further Information.** Tektronix maintains a comprehensive, constantly expanding collection of application notes, technical briefs and other resources to help engineers working on the cutting edge of technology. Please visit [www.tektronix.com](http://www.tektronix.com)



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