

Service and Maintenance With The TDS1000 and TDS2000 Series Oscilloscopes



Service and maintenance applications make unique demands on an oscilloscope. Price is often the most important factor when service oscilloscopes are purchased in multiples to equip a whole department. Ease-of-use is also essential, since technicians of various skill levels may use the instruments. The oscilloscope's performance must live up to the needs of today's faster, more complex electronic systems and the instrument must be small and light if it is to be carried into the field.

The TDS1000 and TDS2000 Series oscilloscopes deliver an unbeatable combination of superior performance, unmatched ease-of-use and affordability in an ultra lightweight, portable package, making them ideal for service, repair and maintenance technicians.

Easy-To-Use Tools Speed Up Service and Maintenance Tasks

► **Bandwidth and Sample Rate**

While many digital oscilloscopes give up sample rate with each additional input that is used, the TDS1000 and TDS2000 Series oscilloscopes deliver their full bandwidth and sample rate on all inputs simultaneously.

► **Simple User Interface**

Most important control functions are brought to the front panel as familiar, analog-style controls (rather than a series of menus and keystrokes) so that you can quickly apply the full power of the oscilloscope to your task.

► **Color Display**

The TDS2000 family provides a standard color LCD at an affordable price, for easy and accurate interpretation. This color display highlights each active trace in a unique color, saving time by making it easier to distinguish waveforms at a glance. Associated screen readouts and front-panel controls are similarly color-coded for easy and accurate interpretation.

► **Automated Measurements**

Automated measurements assist you in making fast, repeatable routine tests. Pressing a single button activates procedures that would otherwise take multiple setup and measurement steps.

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▶ **Autoset Menu**

The one-button autoset feature causes the instrument to detect and display the waveform type as sine, square, or video. At the same time, it provides different views and up to four automatic measurements for the displayed signal. This timesaving feature delivers the requested results by pressing just a single button.

▶ **Switchable 1X-10X, 200-MHz Probe**

The matching P2200 probe is unique, with its switchable attenuation ranges (1X and 10X). You can carry just one probe type for a wide range of measurements.

▶ **Probe Check Wizard**

A built-in probe check wizard ensures optimum probe setup and improves measurement accuracy by guiding you to properly compensate the probe and confirm the probe attenuation factor prior to making measurements.

▶ **Context-sensitive Help**

The context-sensitive help library appears with the push of one button. The display includes links to related topics in the help library. For the technician using the oscilloscope in the field, the help display is like having an expert partner nearby.

▶ **Ultra-lightweight and Portable**

All models are small, light, and easy to transport. The package is similar to that of the proven Tektronix TDS200 Series, the world's best-selling oscilloscopes.

▶ **TDS2CMA Communications Module**

It is sometimes necessary to publish test and evaluation results. The TDS1000 and TDS2000 Series instruments accept an optional integrated TD2CMA communications module that provides connectivity to printers, as well as GPIB and network interfaces. The print command is activated with one button and simply prints the screen display.