TDSPSM1

## Processor Specifications Measurements Software

◢◣ Features and Benefits

- Your TDS 500/600/700 Series Oscilloscope Can Perform Automated Measurements on Processor Signal Specifications Without External Equipment
- Installs Inside the TDS Oscilloscope Requiring no External GPIB, RS-232 or PC
- Provided on Floppy Disk for Easy Installation
- Uses Familiar, User-friendly TDS User Interface
- Perform Automated Timing Measurements of Ch-Ch Delay, Setup Margin, Hold Margin, and Clock to Output Timing
- Perform Automated AC Specification Measurements of Rise, Fall, High and Low Time
- Analysis is Performed on Each and Every Valid Pulse in a Single-shot Acquisition
- Measurement Results are Returned with Detailed Statistics of: Mean, Min, Max, Standard Deviation, and Population

Ⓐ Applications

- Precisely Characterize the Timing and AC Performance of Your Digital Designs
- Measure Timing From Either or Both Edges of Clock to Either or Both Edges of Data
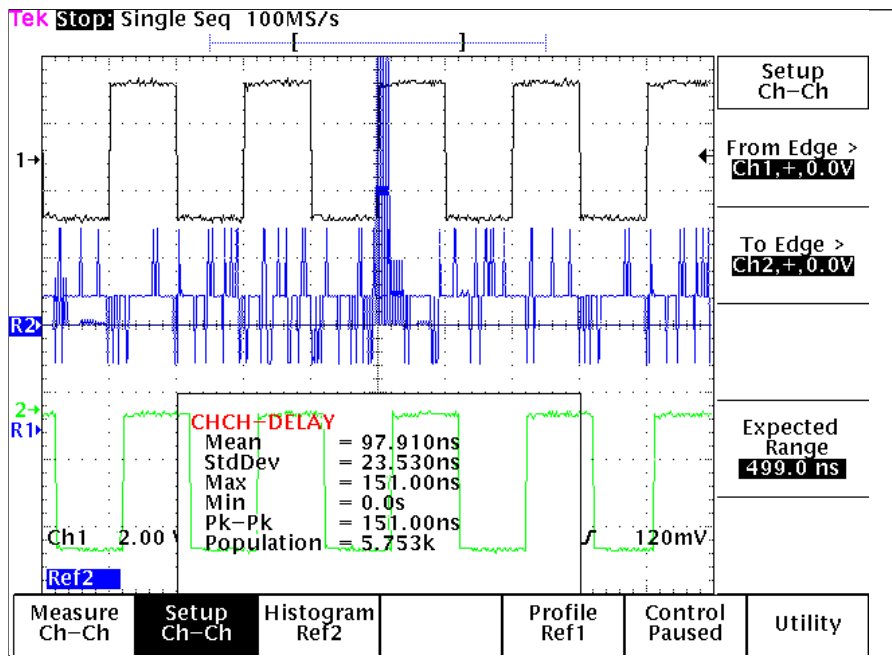

USER-INSTALLED, OSCILLOSCOPE RESIDENT PROCESSOR SIGNAL MEASUREMENT PACKAGE

Microprocessors are used in a variety of industries and sub-systems. However, all these processors need to be integrated in a manner that will allow optimal operation. The various processor manuals detail the electrical and interface performance that is required for proper operation of these processors. As an example, the Intel™ Processor Developer's Manuals can be found on the WWW at Many of the measurements in TDSPSM1 can be performed today using the oscilloscope automatic measurements or histograms. TDSPSM1 enhances this capability by providing direct measurements for each individual edge or pulse and showing detailed statistics. For example, the setup time measurement in TDSPSM1 is made for a specific data edge to the exact, corresponding clock edge.

TDSPSM1 comes on a single floppy disk, is easily installed in a TDS oscilloscope, and doesn't require any external processing or connections. After installation, the application is accessible from the oscilloscope front panel.

TEKTRONIX DIGITAL OSCILLOSCOPES SUPPORTED

TDS 500D, TDS 600C, TDS 700D Series oscilloscopes with Option HD.
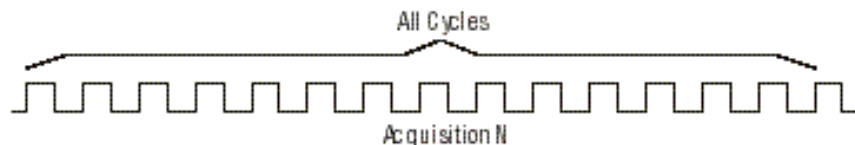
TDSPSM1 measurements are performed on all relevant data in a single-shot acquisition.

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TDSPSM1

Processor Specifications Measurements Software

TDSPSM1
Processor Specifications Measurement Software for TDS 500/600/700 Oscilloscopes.
Includes: Software on a 3.5-in. Disk, Manual.

TDSPSM1 RECOMMENDED ACCESSORIES
TDSJIT1 – Jitter Analysis Software.
High-bandwidth Active Probe – P6245 Active Probe.

For further information, contact Tektronix:

Worldwide Web: for the most up-to-date product information visit our web site at: www.tektronix.com

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