Disk Drive Measurement Software
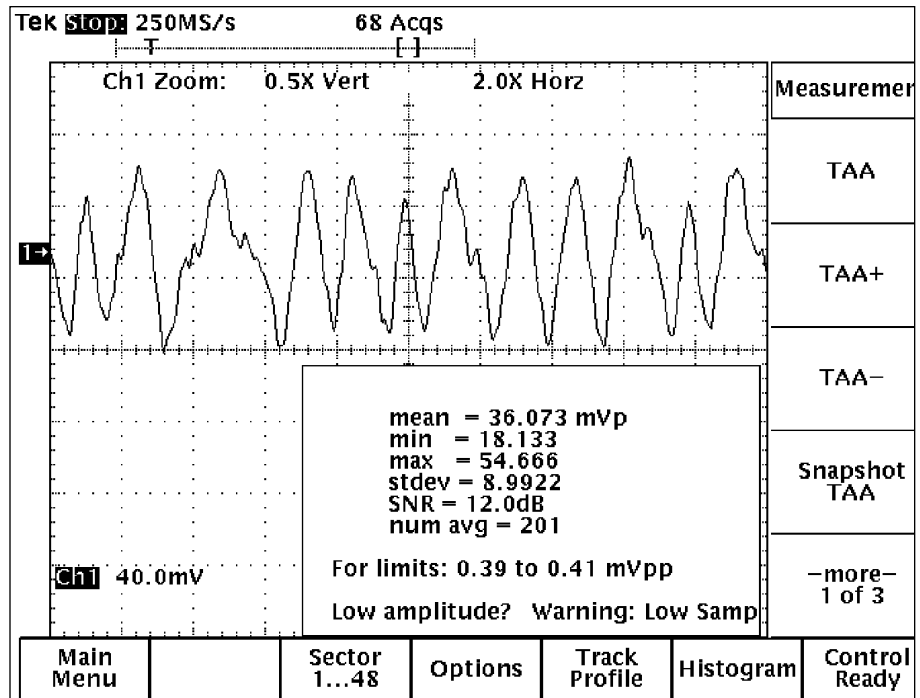## TDSDDM1

Features and Benefits

- Your TDS 700C Series Oscilloscope Can Perform Disk-drive Measurements Without External Equipment
- Installs Inside the TDS Oscilloscope Requiring No External GPIB, RS-232, or PC
- Provided On Floppy Disk For Easy Customer Installation
- Uses Familiar, User-friendly TDS User Interface
- High-resolution Measurements Can Be Made on One Channel at the Highest Sample Rate with Trigger Input From Multiple Channels
- Comprehensive Statistical Measurements – Mean, Min, Max, Std Dev, SNR, and More for Easy Characterization of Signals
- Snapshot Display of multiple parameters for Detailed Waveform Information
- SNR and NLTS Measurements Work for Signal-to-noise Ratios of 0 dB and Below
- Auto Configures Trigger Inputs for Index, Sector, and Read Channel for Easy Set-up
- Thermal Asperity Information Provided for Quick Problem Detection
- Track Profile Displays Measurement From Each Sector as a Function of Sector Number
- On-line Help Text Provides Information About Each Measurement
- Part of a Complete Solution for Disk-drive Measurements from Tektronix – High-bandwidth Differential Probes, SMT Probes, Arbitrary Waveform Generators, etc.
- Lower Price Than Other Custom Disk-drive Measurement Solutions That Perform Limited Measurements

Applications

- IDEMA Measurements Including TAA, PW50, Overwrite, Resolution, and Asymmetry
- PRML Measurements Including Autocorrelation NLTS and SNR

Certified for CEMarking.

See Tektronix on the World Wide Web: http://www.tek.com

Tektronix Measurement products are manufactured in ISO registered facilities.

User-installed, oscilloscope-resident disk-drive measurement package

Design, manufacturing, and failure analysis engineers at disk drive companies; silicon vendors who design read-channel components; read/write head and media manufacturers – all desire to make measurements that are specific to their industry. Performing measurements on disk-drive signals that comply with the IDEMA standards is crucial to meeting their objectives.

Tektronix now offers a solution that provides custom disk-drive measurements for the industry leading TDS oscilloscopes. Peak detect measurements include track average amplitude positive (TAA+), track average amplitude negative (TAA–), track average amplitude total (TAA), 50% pulse width positive (PW50+), 50% pulse width negative (PW50–), 50% pulse width (PW50), overwrite, and resolution. Timing measurements include time – trough-to-peak, and time – peak-to-trough. PRML measurements include autocorrelation non-linear transition shift and signal-to-noise ratio. Voltage and time asymmetry measurements are available for MR head designers. Measurement statistics are also available.

TDSDDM1 Disk-drive Measurement Software is a software package from Tektronix that delivers industry-specific disk-drive measurements. It comes on floppy disks, is easily installed into a TDS 700C oscilloscope, and doesn't require any external processing or connections. After installation, the application is accessible from the front panel.

Tektronix

Disk Drive Measurement Software
TDSDDM1

CHARACTERISTICS

TEKTRONIX DIGITAL STORAGE OSCILLOSCOPES SUPPORTED

TDSDDM1 software operates on the following scopes:

Instrument[1]	Firmware	Serial Number
TDS 724C Opt 2M	v5.2e or later	B020100 or greater
TDS 754C Opt 2M	v5.2e or later	B020100 or greater
TDS 784C Opt 2M	v5.2e or later	B020100 or greater

[1] Instruments must have Option 2M, Extended Memory.

ORDERING INFORMATION

TDSDDM1

Disk-Drive Measurement Software for TDS 700C

Includes: Software on 3.5-in. Disks, Manual.

NOTE:Requires TDSRTE1 Run Time Environment.

TDSDDM1 RECOMMENDED ACCESSORIES

Arbitrary Waveform Generator – AWG520 Programmable Dual-channel Arbitrary Waveform Generator.

High-bandwidth Differential Probe – P6247 Differential Probe.

For further information, contact Tektronix: