

# Power Measurement Software

## TDSPWR1



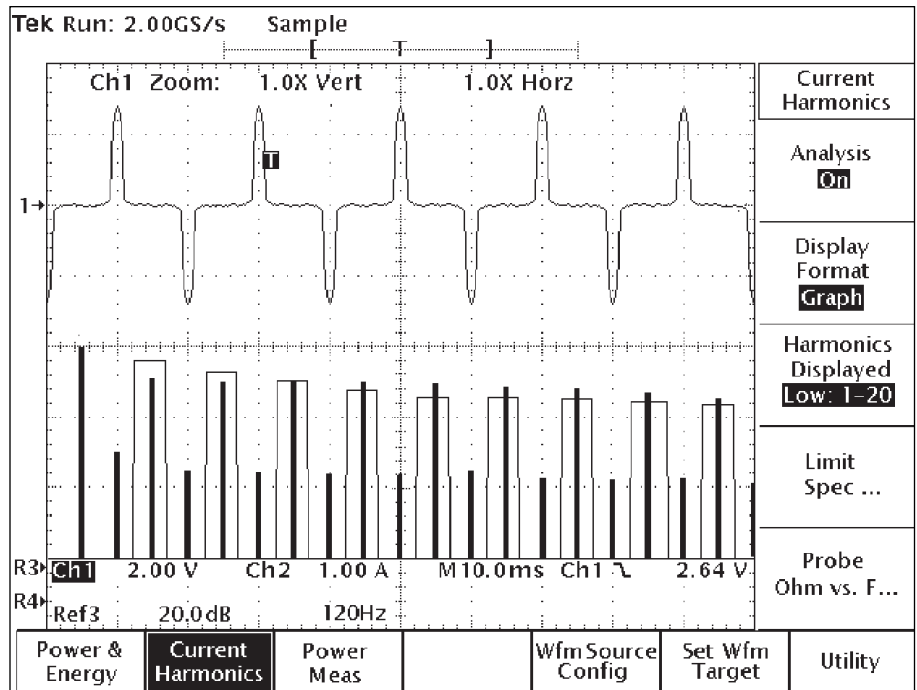
### Features and Benefits

- Your TDS 700 Series Oscilloscope Can Perform Customized Power Measurements Without the Need for a Dedicated Power System Tester
- 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
- Graphic and Table Print-out of Current Harmonics to Easily View and Document AC-line Performance in Either Spectral or Tabular Form
- Direct Reading of True Power, Apparent Power, and Power Factor Measurements to Eliminate Manual Calculations
- Part of a Complete Solution for Power Measurements from Tektronix – Voltage Probes, High- and Low-voltage Differential Probes, Differential Amplifiers, High- and Low-current Probes, Current-probe Amplifiers, Isolation Systems, etc.
- Measurements Include Instantaneous Power and Energy on Long Records with Automatic Display of Power and Energy
- Lower Price Than Other Custom Power Measurement Systems That Perform Limited Measurements



### Applications

- Pre-compliance Testing to CE Standard per EN 61000-3-2
- Characterizing Switching Losses of IGBTs



### User-installed, oscilloscope-resident power-measurement package

Engineers in the semiconductor industries who design IGBTs, power MOSFETs, and electric motor drive ICs for the power supply industry need to make specialized energy curve measurements. Engineers designing switching power supplies, electric motors, and ballasts for electrical lighting need to measure power on their sub-systems. Engineers designing products for the European market must ensure compliance to the EN 61000-3-2 standard.

Tektronix now offers these and others a solution that provides custom power measure-

ments for the industry leading TDS oscilloscopes. Features include calculation of instantaneous power and energy curves from voltage and current input. Automatic measurements include true power, apparent power, and power factor. In addition, this package provides pre-compliance testing to EN 61000-3-2 with a minimum of difficulty.

TDSPWR1 Power Measurement Software is a software package from Tektronix that delivers industry-specific power measurements. It comes on floppy disks, is easily installed onto a TDS 700C oscilloscope, and doesn't require any external processing or connections. After installation, the application is accessible from the oscilloscope front panel.

**CE** Certified for CE Marking.



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



**ISO 9001** Tektronix Measurement products are manufactured in ISO registered facilities.

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### CHARACTERISTICS

#### TEKTRONIX DIGITAL STORAGE OSCILLOSCOPES SUPPORTED

TDSPWR1 software operates on the following scopes:

Instrument <sup>1</sup>	Firmware	Serial Number
<b>TDS 724C</b> <b>Opt 2M</b>	V5.2e or later	B020100 or greater
<b>TDS 754C</b> <b>Opt 2M</b>	V5.2e or later	B020100 or greater
<b>TDS 784C</b> <b>Opt 2M</b>	V5.2e or later	B02100 or greater

<sup>1</sup> Instruments must have Option 2M, Extended Memory.

### ORDERING INFORMATION

#### TDSPWR1

Power Measurement Software for TDS 700C

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

**NOTE:** Requires TDSRTE1 Run Time Environment to operate.

#### TDSPWR1 RECOMMENDED ACCESSORIES

**High-Voltage Differential Probe** – P5205 Active Differential Probe.

**Current Probe** – TCP DC Coupled Current Probe.

#### For further information, contact Tektronix:

**World Wide Web:** <http://www.tek.com>; **ASEAN Countries** (65) 356-3900; **Australia & New Zealand** 61 (2) 888-7066; **Austria, Eastern Europe, & Middle East** +43 2236 8092 0; **Belgium** +32 (2) 715.89.70; **Brazil and South America** 55 (11) 3741-8360; **Canada** 1 (800) 661-5625; **Denmark** +45 (44) 850 700; **Finland** +358 (9) 4783 400; **France & North Africa** +33 1 69 86 81 81; **Germany** +49 (221) 94 77 400; **Hong Kong** (852) 2585-6688; **India** (91) 80-2275577; **Italy** +39 (2) 25086 501; **Japan (Sony/Tektronix Corporation)** 81 (3) 3448-3111; **Mexico, Central America, & Caribbean** 52 (5) 666-6333; **The Netherlands** +31 23 56 95555; **Norway** +47 22 07 07 00; **People's Republic of China** 86 (10) 6235 1230; **Republic of Korea** 82 (2) 528-5299; **South Africa** (27 11)651-5222; **Spain & Portugal** +34 (1) 372 6000; **Sweden** +46 (8) 629 6503; **Switzerland** +41 (41) 729 36 40; **Taiwan** 886 (2) 722-9622; **United Kingdom & Eire** +44(0)1628 403400; **USA** 1 (800) 426-2200.

**From other areas, contact:** Tektronix, Inc. Export Sales, P.O. Box 500, M/S 50-255, Beaverton, Oregon 97077-0001, USA 1 (503) 627-6877.

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2 • Digitizing Oscilloscopes

**Tektronix**