

TDS3000C Series Oscilloscopes

Performance you need at a price you can afford



Features

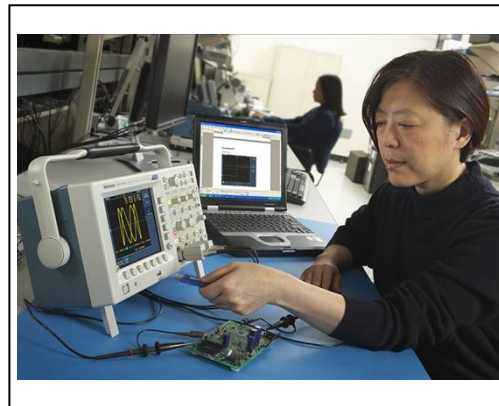
Benefits

Digital real-time sampling	Accurately capture signals with at least 5X over-sampling.
Digital phosphor display	Quickly capture and visualize glitches and infrequent events with a high waveform capture rate and intensity-graded display.
Advanced triggering	Capture digital signal anomalies with runt, glitch, rise/fall-time, and setup/hold violation triggers .
Dedicated front-panel controls	Spend less time learning and more time on the task at hand with easy-to-use front panel controls.
Front-panel USB host port	Quickly store and transfer your waveforms.
PC connectivity	Simply transfer, analyze and document results with NI LabVIEW SignalExpress™ TE and Tektronix OpenChoice® Desktop software.
Just 5.9 inches (149 mm) deep	Free up valuable bench-top space.
Battery pack (optional)	Work where you need to with up to three-hours of portable battery operation.
Application modules (optional)	Transform your oscilloscope into a specialized instrument for limit testing, telecom mask testing, and video troubleshooting.

www.tektronix.com/tds3000c

Product Fact Sheet

Easy to set-up and use



Easily transfer, document and analyze data on your PC.

Featuring:

- 100 MHz, 300 MHz, 500 MHz models
- 2 or 4 analog channels
- 10 k standard record length on all channels
- Up to 5 GS/s sample rate on all channels
- Front panel USB host port for data storage
- Ethernet port for PC connectivity
- Optional battery operation
- Optional limit testing, telecommunications mask testing, and HDTV and custom video triggering and analysis

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Key specifications and ordering information

Product Fact Sheet

Models	Analog Channels	Bandwidth	Record Length All channels	Sample Rate All channels	Pricing
TDS3054C	4	500 MHz	10 k points	5 GS/s	\$10,500
TDS3052C	2	500 MHz	10 k points	5 GS/s	\$8,800
TDS3034C	4	300 MHz	10 k points	2.5 GS/s	\$7,350
TDS3032C	2	300 MHz	10 k points	2.5 GS/s	\$6,100
TDS3014C	4	100 MHz	10 k points	1.25 GS/s	\$5,050
TDS3012C	2	100 MHz	10 k points	1.25 GS/s	\$4,250

Standard Probes and Accessories		Recommended Probes and Services	
- One P6139A 500 MHz, 10X Passive Probe Per Analog Channel - OpenChoice® Desktop Software - NI LabVIEW SignalExpress™ Tektronix Edition Software (LE version) - Power Cord & Accessory Tray - Calibration Certificate, Quick Reference Manual, & Documentation on CD		P5205	1 kV, 100 MHz High-Voltage Differential Probe. \$1,150
		P5210	5.6 kV, 50 MHz High-Voltage Differential Probe. \$2,300
		TCP202	15 A, 50 MHz AC/DC Current Probe. \$1,830
		P6243	1 GHz 10X Active Probe. \$846
		TDS3BATC	Lithium Ion Battery Pack. \$520
		TDS3CHG	Fast Charger for Battery Pack. \$141
		AC3000	Soft Transit Case. \$190
		HCTEK4321	Hard Transit Case (requires AC3000) \$655
		Opt. R5	5 Year Repair Service Plan. Varies
		Opt. C3/C5	3, 5 Year Calibration Service Plan. \$470/\$850

Application Modules	
TDS3AAM – Advanced Analysis Module	\$550
TDS3GV – GPIB, RS-232, and VGA Communications Module	\$476
TDS3LIM – Limit Testing Module	\$550
TDS3SDI – 601 Serial Digital Video Analysis Module	\$2,950
TDS3TMT – Telecom Mask Test Triggering Module	\$1,100
TDS3VID – HDTV and Custom Video Triggering Module	\$550



Key Applications	Benefits
Design and debug of electronic systems	- High waveform capture rate and WaveAlert® reduce troubleshooting time - Advanced triggers easily capture signal anomalies - Automatic measurements provide quick analysis
Video design and development	Extended video analysis capabilities to include HDTV and custom video triggering, video graticules, vectorscope and picture displays, and video autoset.
Manufacturing test	- Limit testing provides quick Go/No-Go testing. - Telecom mask testing provides compliance testing to industry standards.

Mouser Electronics

Authorized Distributor

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[TDS3LIM](#)