

# TDS3000C Series Oscilloscopes

Performance you need at a price you can afford

Product Fact Sheet

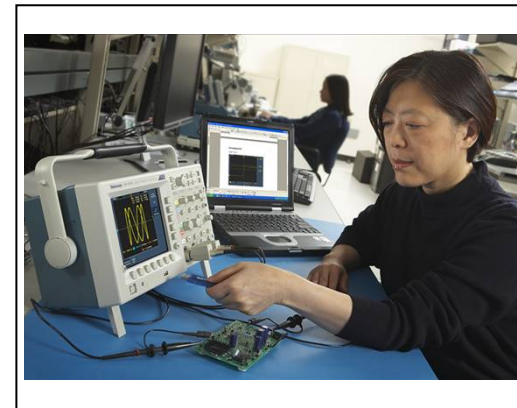


## Features

## 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.

## 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

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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	
<ul style="list-style-type: none"> <li>One P6139A 500 MHz, 10X Passive Probe Per Analog Channel</li> <li>OpenChoice® Desktop Software</li> <li>NI LabVIEW SignalExpress™ Tektronix Edition Software (LE version)</li> <li>Power Cord &amp; Accessory Tray</li> <li>Calibration Certificate, Quick Reference Manual, &amp; Documentation on CD</li> </ul>	

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

Recommended Probes and Services		
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

Key Applications	Benefits
<ul style="list-style-type: none"> <li>Design and debug of electronic systems</li> </ul>	<ul style="list-style-type: none"> <li>High waveform capture rate and WaveAlert® reduce troubleshooting time</li> <li>Advanced triggers easily capture signal anomalies</li> <li>Automatic measurements provide quick analysis</li> </ul>
<ul style="list-style-type: none"> <li>Video design and development</li> </ul>	<ul style="list-style-type: none"> <li>Extended video analysis capabilities to include HDTV and custom video triggering, video graticules, vectorscope and picture displays, and video autose.</li> </ul>
<ul style="list-style-type: none"> <li>Manufacturing test</li> </ul>	<ul style="list-style-type: none"> <li>Limit testing provides quick Go/No-Go testing.</li> <li>Telecom mask testing provides compliance testing to industry standards.</li> </ul>