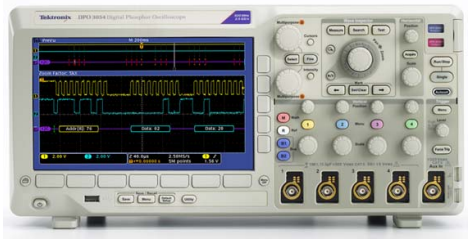
DPO3000 Series Oscilloscopes Fact Sheet

Feature-rich tools for mixed-signal debug



Features	Benefits
Wave Inspector® controls	Efficient analysis of waveform data with controls to easily view, search and navigate long record lengths.
Serial triggering and analysis options	Quickly debug common serial buses – I²C, SPI, CAN, LIN, and RS-232/422/485/UART.
Digital phosphor display	Quickly capture and visualize glitches and infrequent events with a 50,000 wfm/s waveform capture rate and intensity-graded display.
Only 5.4 inches (137 mm) deep	Free up valuable bench-top space.
USB plug-and-play connectivity	Simply transfer, analyze and document results with NI LabVIEW SignalExpress TE and Tektronix OpenChoice® Desktop software.

Designed to make your work easier

Wave Inspector® controls speed navigation of long waveform records

Featuring:

- 100 MHz, 300 MHz, 500 MHz models
- 2 or 4 analog channels
- 5 M standard record length on all channels
- Up to 2.5 GS/s sample rate on all analog channels
- Large high resolution 9 inches (229 mm) WVGA screen
- Front panel USB host port for mass storage
- Serial triggering and analysis options for I²C, SPI, CAN, LIN, RS-232/422/485/UART

MOUSER ELECTRONICS a tti company (800) 346-6873 www.mouser.com

Tektronix

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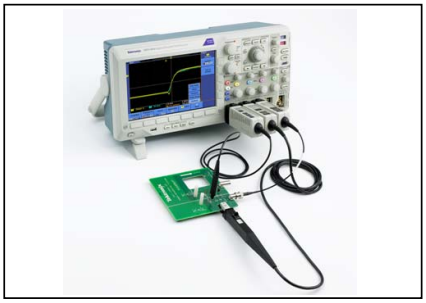
Key specifications and ordering information

Models	Analog Channels	Bandwidth	Record Length All channels	Sample Rate All channels	Pricing
DPO3054	4	500 MHz	5 M points	2.5 GS/s	$10,900
DPO3052	2	500 MHz	5 M points	2.5 GS/s	$9,250
DPO3034	4	350 MHz	5 M points	2.5 GS/s	$ 7,700
DPO3032	2	350 MHz	5 M points	2.5 GS/s	6,400
DPO3014	4	100 MHz	5 M points	2.5 GS/s	$5,350
DPO3012	2	100 MHz	5 M points	2.5 GS/s	$4,450



Standard Probes and Accessories

- One P6139A 500 MHz, 10X Passive Probe Per Analog Channel
- OpenChoice® Desktop and NI LabVIEW SignalExpress™ TE (LE version) Software
- Front Cover
- Power Cord
- Calibration Certificate, Quick Reference Manual, & Documentation on CD

Application Modules

DPO3EMBD - Embedded Serial Triggering and Analysis (I^2C, SPI).	$990
DPO3COMP - Computer Serial Triggering and Analysis (RS-232/422/485/UART).	$990
DPO3AUTO - Automotive Serial Triggering and Analysis (CAN, LIN).	$990
DPO3VID - HDTV and Custom Video Triggering.	$625

Recommended Probes, Accessories, and Services

TAP1500	1.5 GHz TekVPI Active Probe.	$1,910
TCP0030	120 MHz TekVPI 30A AC/DC Current Probe.	$2,870
TCP0150	20 MHz TekVPI 150A AC/DC Current Probe.	$3,350
TDP0500	500 MHz TekVPI 42V Differential Probe.	$2,910
TDP1000	1 GHz TekVPI 42V Differential Probe.	$4,060
Opt. R5	5 Year Repair Service Plan.	Varies
Opt. C3/C5	3, 5 Year Calibration Service Plan.	$470 / $885

Key Applications	Benefits
▪ Design and debug of embedded systems	▪ Perform rapid serial bus debug: - Decode common serial bus standards - Trigger on serial packet content - Search through acquired data
▪ Investigation of transient phenomena	▪ Quickly capture elusive glitches and other infrequent events with 50,000 wfm/s waveform capture rate ▪ Capture a long time window at high resolution with the deep record length
▪Video design and development	▪ Easily find errors with the industry's most complete suite of HDTV and custom (non-standard) video triggers

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