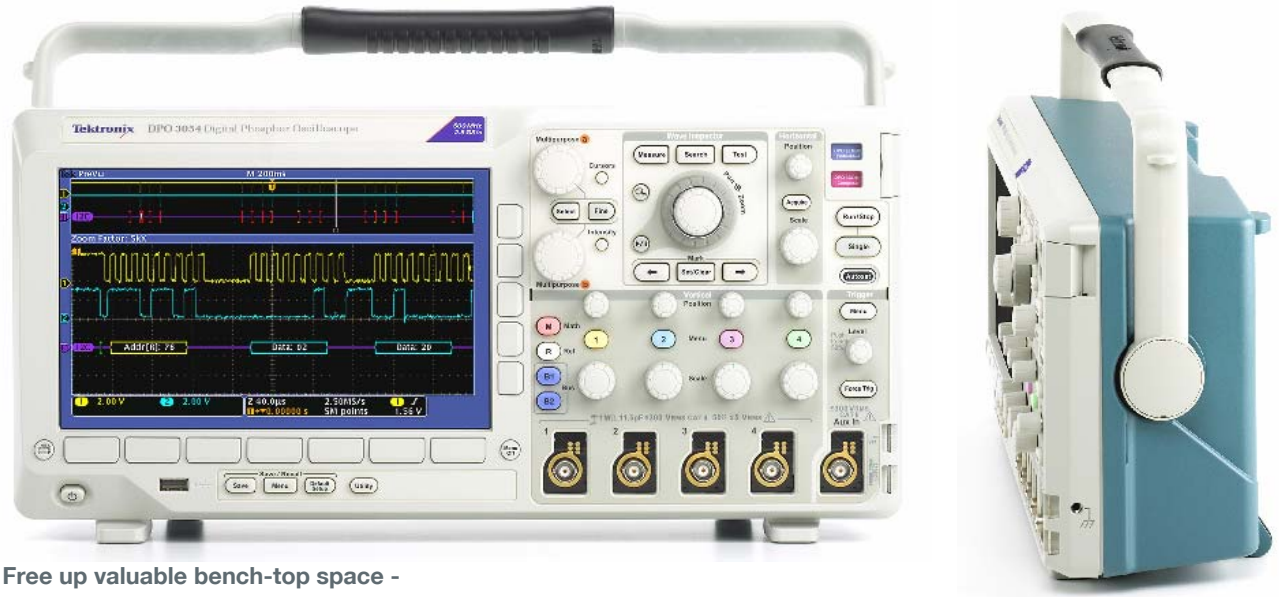
Tektronix DPO3000 Series Oscilloscopes

Feature-rich tools for debugging mixed signal designs



Free up valuable bench-top space -
Dimensions: 8 in. (203 mm) height x 16.4 in. (417 mm) width x 5.4 in. (137 mm) depth; 9 lbs (4 kg) weight.

Key Specifications

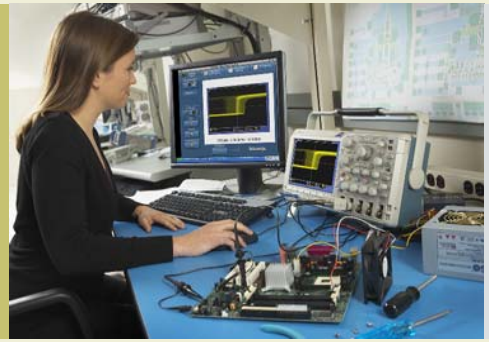
Bandwidth	100 MHz, 300 MHz, 500 MHz models
Channels	2 or 4 channel models
Record Length	5 M standard on all channels
Sample Rate	Up to 2.5 GS/s on all channels
Display	9 in. (229 mm) widescreen; 800 x 480 high resolution (WVGA)
PC Connectivity and Mass Storage	▪ Front panel USB port ▪ Rear USB host and device ports ▪ LAN
Additional	▪ I²C, SPI, CAN, LIN, RS-232/422/485/UART serial triggering and analysis options ▪ HDTV and Custom video triggering option ▪ NI LabVIEW SignalExpress TE software enables plug-and-play PC connectivity

www.tektronix.com/dpo3000

Product Fact Sheet

Tequipment.net USA
205 Westwood Ave
Long Branch, NJ 07740
1-877-742-TEST (8378)
Fax: (732) 222-7088
E-mail: salesteam@Tequipment.NET

Designed to make your work easier



Seamless plug-and-play PC connectivity and analysis software solutions with NI LabVIEW SignalExpress TE.

Wave Inspector® Controls
help you to easily search and navigate through long memory.

Large 9 in. WVGA Widescreen Display
to easily visualize on-screen data.

PC Connectivity and USB Mass Storage
for easy transfer and documentation of information.

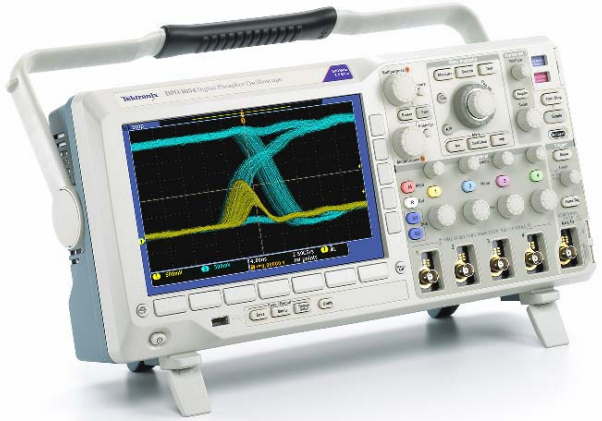
TekVPI® Probe Interface
supports active, differential and current probes for automatic scaling and units.

Tektronix®
Enabling Innovation

Perform serial debug for common standards, including CAN, LIN and more!

Large 9 in. (229 mm) widescreen display helps you see the complete picture.

Zoom, pan, search, set user marks and more with Wave Inspector®



Ordering Information

Models	Channels	Bandwidth	Record Length (ALL Channels)	Sample Rate (ALL Channels)
DPO3054	4	500 MHz	5 M	2.5 GS/s
DPO3052	2	500 MHz	5 M	2.5 GS/s
DPO3034	4	300 MHz	5 M	2.5 GS/s
DPO3032	2	300 MHz	5 M	2.5 GS/s
DPO3014	4	100 MHz	5 M	2.5 GS/s
DPO3012	2	100 MHz	5 M	2.5 GS/s

Application Modules

DPO3EMBD
Embedded Serial Triggering and Analysis Module (I^2C, SPI).

DPO3COMP
Computer Serial Triggering and Analysis Module (RS-232/422/485/UART).

DPO3AUTO
Automotive Serial Triggering and Analysis Module (CAN, LIN).

DPO3VID
HDTV and Custom Video Triggering Module.

Standard Probes and Accessories

- One P6139A 500 MHz, 10x Passive Probe per Channel.
- Front Cover (200-5052-xx).
- User Manual.
- Documentation CD (063-4104-xx).
- OpenChoice® Desktop Software.
- NI LabVIEW SignalExpress™ Tektronix Edition LE Software.
- Calibration Certificate Documenting Traceability to National Metrology Institute(s) and ISO9001 Quality System Registration.
- Power Cord.
- Accessory Pouch (016-2008-xx).
- Three-year Warranty.

Please specify power plug and manual language version when ordering.

Recommended Probes and Accessories

Probes

A wide variety of TekVPI® voltage and current probes are available for the DPO3000 Series, including:

- **TAP1500** 1.5 GHz TekVPI Active Probe.
- **TDP0500** 500 MHz TekVPI 42V Differential Probe.
- **TCP0030** 120 MHz TekVPI 30 Ampere AC/DC Current Probe.

Accessories

- **071-2422-xx** Service Manual (English only).
- **SIGEXPTE** NI LabVIEW SignalExpress™ Tektronix Edition Software.
- **TPA-BNC** TekVPI to TekProbe BNC Adapter.
- **119-7465-xx** TekVPI External Power Supply.
- **TEK-USB-488** GPIB to USB Adapter.
- **ACD4000** Soft Transit Case.
- **HCTEK4321** Hard Transit Case (requires ACD4000).
- **RMD3000** Rackmount Kit.

Impressive Performance

- 100, 300 and 500 MHz models available.
- 5 M of uncompromised long record length comes as standard.
- Up to 2.5 GS/s sample rate on all channels for accurate representation of your signal.
- 2 or 4 channels.

Serial Debug for Common Standards

- Serial bus trigger and decode (I^2C, SPI, CAN, LIN, RS-232/422/485/UART).*1

Exceptional Ease of Use

- Wave Inspector® controls allow you to easily search and navigate through long memory.
- Large 9 in. (229 mm) WVGA widescreen display.
- PC connectivity and USB mass storage for easy transfer and documentation of information.
- USB plug-and-play PC connectivity.

*1 Optional

www.tektronix.com/dpo3000

3GW-21366-1

Tektronix®
Enabling Innovation