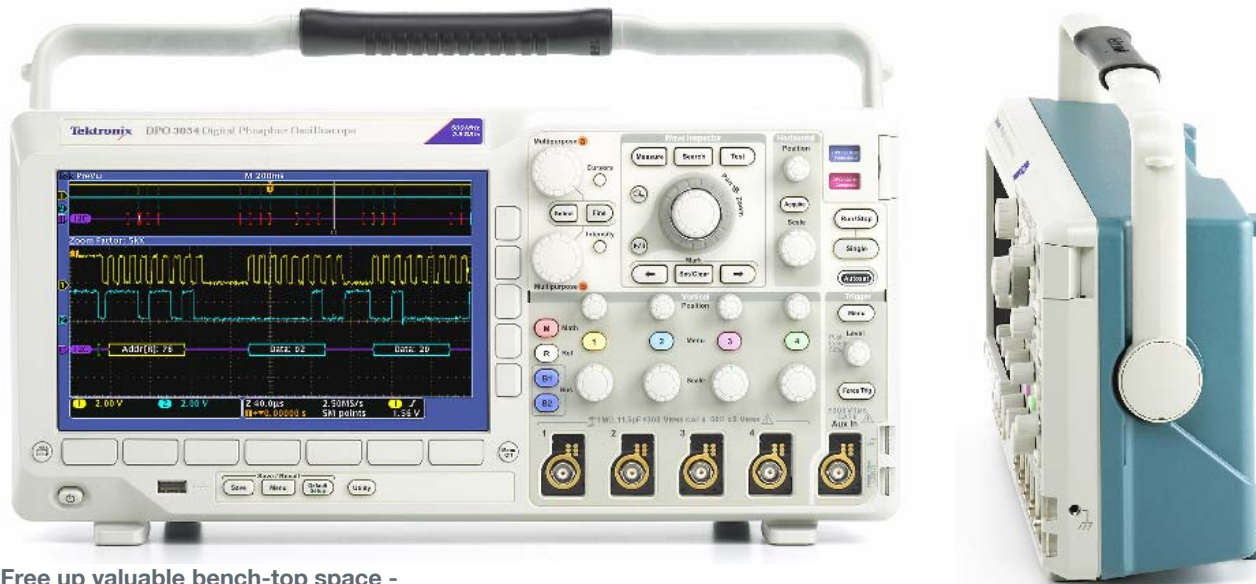


# Tektronix DPO3000 Series Oscilloscopes

Feature-rich tools for debugging mixed signal designs



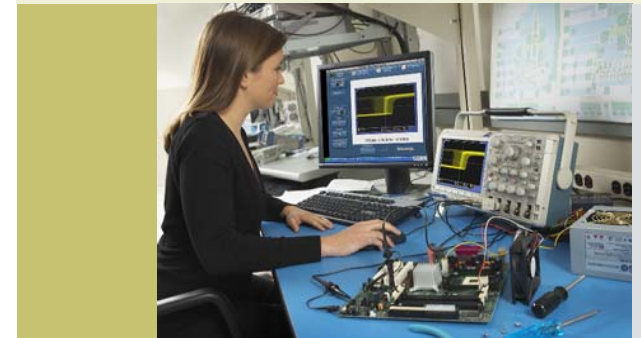
Free up valuable bench-top space -

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

<b>Bandwidth</b>	100 MHz, 300 MHz, 500 MHz models
<b>Channels</b>	2 or 4 channel models
<b>Record Length</b>	5 M standard on all channels
<b>Sample Rate</b>	Up to 2.5 GS/s on all channels
<b>Display</b>	9 in. (229 mm) widescreen; 800 x 480 high resolution (WVGA)
<b>PC Connectivity and Mass Storage</b>	<ul style="list-style-type: none"> <li>▪ Front panel USB port</li> <li>▪ LAN</li> <li>▪ Rear USB host and device ports</li> </ul>
<b>Additional</b>	<ul style="list-style-type: none"> <li>▪ I<sup>2</sup>C, SPI, CAN, LIN, RS-232/422/485/UART serial triggering and analysis options</li> <li>▪ HDTV and Custom video triggering option</li> <li>▪ NI LabVIEW SignalExpress TE software enables plug-and-play PC connectivity</li> </ul>

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.

[www.tektronix.com/dpo3000](http://www.tektronix.com/dpo3000)



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)	Application Modules
DPO3054	4	500 MHz	5 M	2.5 GS/s	<b>DPO3EMBD</b> Embedded Serial Triggering and Analysis Module (I <sup>2</sup> C, SPI). <b>DPO3COMP</b> Computer Serial Triggering and Analysis Module (RS-232/422/485/UART). <b>DPO3AUTO</b> Automotive Serial Triggering and Analysis Module (CAN, LIN). <b>DPO3VID</b> HDTV and Custom Video Triggering Module.
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	

### 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<sup>2</sup>C, SPI, CAN, LIN, RS-232/422/485/UART).<sup>\*1</sup>

### 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.

<sup>\*1</sup> Optional

### 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	Accessories
A wide variety of TekVPI® voltage and current probes are available for the DPO3000 Series, including: <ul style="list-style-type: none"> <li>▪ <b>TAP1500</b> 1.5 GHz TekVPI Active Probe.</li> <li>▪ <b>TDP0500</b> 500 MHz TekVPI 42V Differential Probe.</li> <li>▪ <b>TCP0030</b> 120 MHz TekVPI 30 Ampere AC/DC Current Probe.</li> </ul>	<ul style="list-style-type: none"> <li>▪ <b>071-2422-xx</b> Service Manual (English only).</li> <li>▪ <b>SIGEXPTE</b> NI LabVIEW SignalExpress™ Tektronix Edition Software.</li> <li>▪ <b>TPA-BNC</b> TekVPI to TekProbe BNC Adapter.</li> <li>▪ <b>119-7465-xx</b> TekVPI External Power Supply.</li> <li>▪ <b>TEK-USB-488</b> GPIB to USB Adapter.</li> <li>▪ <b>ACD4000</b> Soft Transit Case.</li> <li>▪ <b>HCTEK4321</b> Hard Transit Case (requires ACD4000).</li> <li>▪ <b>RMD3000</b> Rackmount Kit.</li> </ul>