

Tektronix DPO/MSO Series and TDS/TPS Series oscilloscopes

Learn which oscilloscope family is right for you

DPO/MSO Series

Feature-rich tools for debugging mixed signal designs



The Power to Solve Problems Quickly

- From 100 MHz up to 1 GHz bandwidth
- 2 or 4 analog channels
- 16 digital channels (MSO Series only)
- Uncompromised long standard record length (up to 10 M)

Serial Debug for Common Standards

- Serial bus support for I²C, SPI, CAN, LIN, FlexRay (4000 Series only), RS232/422/485/UART
- Packet level triggering and decode
- View data in bus form or in tabular form

Innovative Features Designed to Make Work Easier

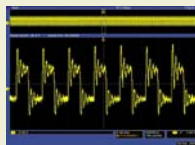
- Wave Inspector® controls allow you to easily search and navigate through long memory
- Large, high resolution displays
- PC connectivity and USB mass storage

Mixed Signal Debug

- Monitor up to 20 signals simultaneously (MSO Series only)
- Digital probe enables easy connection to the device under test (MSO Series only)



Intuitive Wave Inspector controls.



Long record length enables zooming in on signal detail.



I²C serial bus decode showing address and data packet content.

TDS/TPS Series

Performance you need at a price you can afford



Basic Performance in an Affordable Package

- From 60MHz to 500MHz bandwidths
- 5x over sampling, up to 5GS/s
- Record length optimized for visualization
- 2 or 4 analog channels
- Isolated channels (TPS models only)
- Optional application modules for Telecomm mask testing, Limit test, and Serial Digital Video.
- Limited lifetime warranty (TDS1k/2kB models only)

Easy Set-up and Use

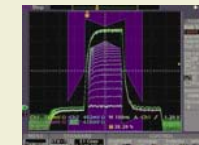
- Familiar operation and simple navigation
- Dedicated front panel controls
- USB flash drive and PC connectivity

Work Where you Need to

- Lightweight design for easy transport from lab-to-lab
- Battery operation (Some models)
- Small footprint frees up bench-top space



Battery operation provides total portability.



Applications include Telecomm Mask Testing.








PictBridge direct printing.

DPO/MSO or TDS/TPS?

Use the chart below to compare and determine which family specifications best fits your needs



	Oscilloscopes for mixed signal debug  DPO4000 Series MSO4000 Series	DPO3000 Series 	General-purpose oscilloscopes  TDS3000C Series	TDS1000B Series TDS2000B Series 	Isolated oscilloscopes  TPS2000 Series
Bandwidth	350 MHz - 1 GHz	100 MHz - 500 MHz	100 MHz - 500 MHz	40 MHz - 200 MHz	100 MHz - 200 MHz
Analog Channels	2, 4	2, 4	2, 4	2, 4	2, 4
Digital Channels	16 (MSO only)	--	--	--	--
Analog Channel Sample Rate	2.5 GS/s - 5 GS/s	2.5 GS/s	1.25 GS/s - 5 GS/s	500 MS/s - 2 GS/s	1 GS/s - 2 GS/s
Record Length	10 M	5 M	10 k	2.5 k	2.5 k
Input Impedance	50Ω, 1 MΩ	50Ω, 75Ω, 1 MΩ	50Ω, 1 MΩ	1 MΩ	1 MΩ
Display Size	10.4 in. (1024x768) XGA	9 in. (800x480) WVGA	6.5 in. (640x480) VGA	5.6 in. (320x240) QVGA	5.6 in. (320x240) QVGA
Serial Triggering and Decode	Optional: I ² C, SPI, CAN, LIN, FlexRay, RS-232/422/485/UART	Optional: I ² C, SPI, CAN, LIN, RS-232 /422/485/UART	None	None	None
Connectivity and Storage	LAN, USB host, USB device, CompactFlash, Video out Optional: GPIB	LAN, USB host, USB device, Video out Optional: GPIB	LAN, USB flash drive Optional: GPIB, RS-232, Video out, Battery	USB flash drive, USB device	RS-232, Parallel, CompactFlash, Standard battery
Warranty	3 Years	3 Years	3 Years	Limited Lifetime	3 Years