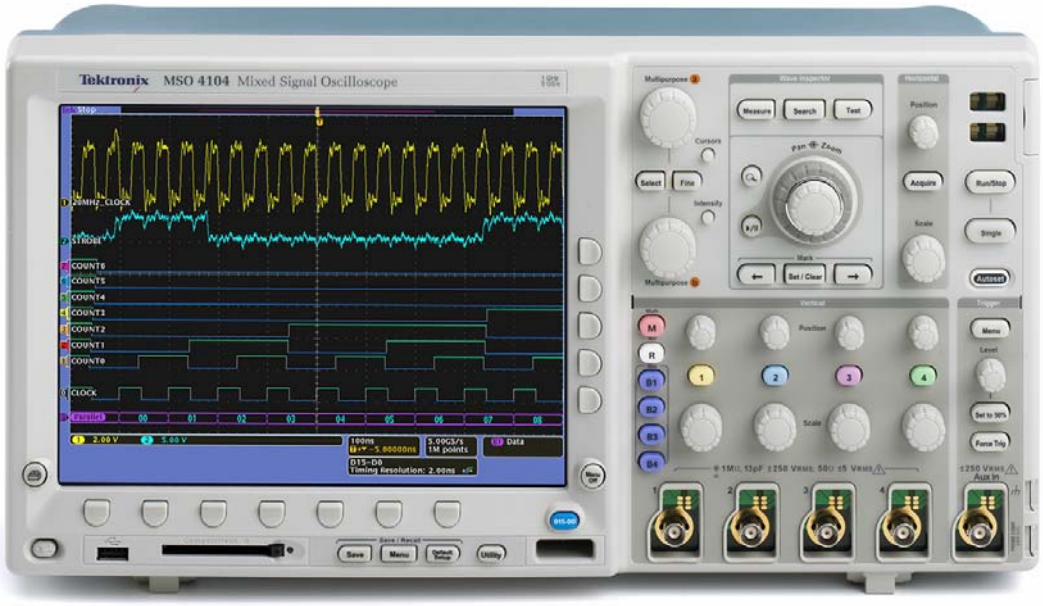
Tektronix MSO4000 Series Mixed Signal Oscilloscopes

The Ultimate All-in-One Tool for Embedded Design



Free up valuable bench-top space -
Dimensions: 9.0 in. (229 mm) height x 17.3 in. (439 mm) width x 5.4 in (137 mm) depth; 11 lbs (5kg) weight.

Key Specifications	
Bandwidth	350 MHz, 500 MHz, 1 GHz models
Channels	2 or 4 analog + 16 digital channel models
Record Length	10 M standard on all channels
Timing Resolution (MagniVu™)	60.6 ps (16.5 GS/s) on digital channels
Display	10.4 inches (264 mm); 1,024 x 768 resolution (XGA)
Mass Storage	Front panel USB and CompactFlash
Additional	▪ I²C, SPI, CAN, RS-232/422/485/UART serial triggering and analysis options ▪ Parallel bus decoding and triggering ▪ Per-channel digital thresholds ▪ Multi-channel set-up and hold

P6516 Mixed Signal Oscilloscope Probe

Designed to make your work easier…

- **Familiar Operation** – drives like the tool you already know how to use.
- **Wave Inspector® Controls** for simple and efficient navigation of waveforms.
- **Large 10.4 in. XGA Screen** to easily visualize data.
- **Next-generation Digital Waveform Display** with color-coded ones and zeros, white edge multiple transition detection, and waveform grouping.
- **Innovative Digital Probe Design** simplifies connecting to the device-under-test.

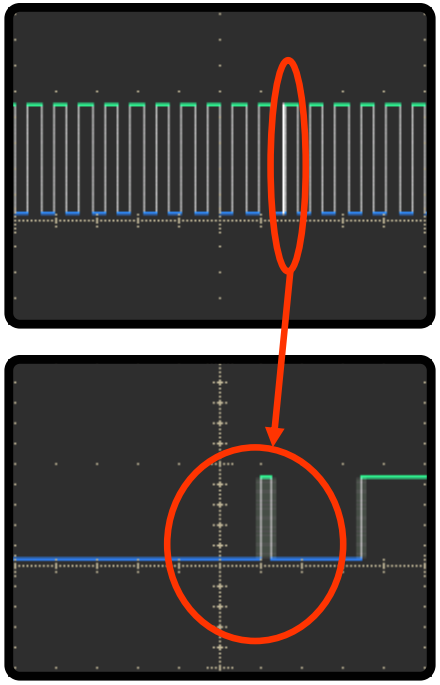
www.tektronix.com/mso4000

Tektronix®
Enabling Innovation

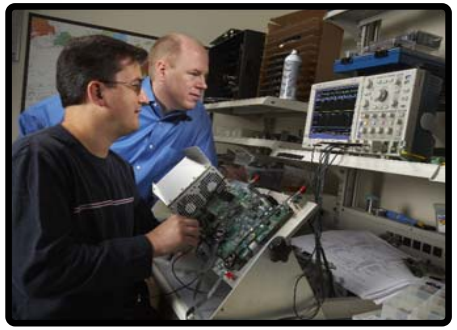
Tektronix MSO4000 Series

Next-Generation Digital Waveform Display

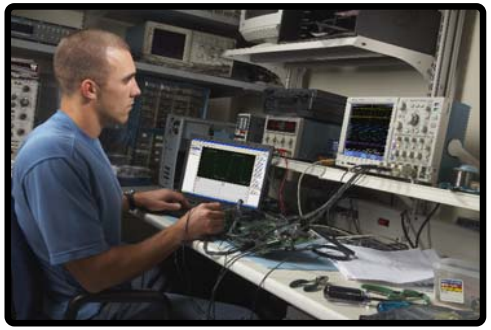
Easy visualization and management of digital waveform data



- **Green** indicates logic high
- **Blue** indicates logic low
- White edge indicates more information is available by zooming in
- Innovative grouping technique makes it easy to manage digital channels



Easy digital probing with the P6516 probe design.



Simply store, transfer and document your results on a PC.

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

Ordering Information

Models	Analog Channels	Digital Channels	Bandwidth	Sample Rate (ALL Channels)
MSO4104	4	16	1 GHz	5.0 / 16.5 GS/s
MSO4054	4	16	500 MHz	2.5 / 16.5 GS/s
MSO4034	4	16	350 MHz	2.5 / 16.5 GS/s
MSO4032	2	16	350 MHz	2.5 / 16.5 GS/s

Application Modules

DPO4AUTO - Automotive Serial Triggering and Analysis Module (CAN).

DPO4EMBD - Embedded Serial Triggering and Analysis Module (I^2C, SPI).

DPO4COMP - Computer Serial Triggering and Analysis Module (RS-232/422/485/UART).

DPO4VID - HDTV and Custom Video Triggering Module.

Standard Probes and Accessories

- One P6139A 500 MHz, 10x Passive Probe per Channel.
- One P6516 16 Channel Logic Probe.
- One Logic Probe Accessory Kit (020-2662-00).
- Front Cover (200-4908-00).
- CompactFlash Memory Card; 32MB (156-9413-00).
- User Manual, Documentation CD (063-3903-00).
- OpenChoice® Desktop Software.
- National Instruments SignalExpress™ Tektronix Edition Software (Base).
- Calibration Certificate Documenting Traceability to National Metrology Institute(s) and ISO9001 Quality System Registration.
- Power Cord.
- Accessory Bag (016-1967-00).
- Three-year Warranty.

Please specify power plug and manual version when ordering.

Recommended Probes and Accessories

Probes	**TAP1500**	1.5 GHz TekVPI™ Active Probe.
	TDP0500	500 MHz TekVPI 42V Differential Probe.
	TDP1000	1 GHz TekVPI 42V Differential Probe.
	TCP0030	120 MHz TekVPI 30 Ampere AC/DC Current Probe.
	TCPA300/400[*1]	Current Measurement Systems.
	P5205[*1]	1.3 kV, 100 MHz High-voltage Differential Probe.
	P5210[*1]	5.6 kV, 50 MHz High-voltage Differential Probe.
	P5100	2.5 kV, 100X High-voltage Passive Probe.
	ADA400A[*1]	100X, 10X, 1X, 0.1X High-gain Differential Amplifier.
	NEX-HD2HEADER	Mictor Connector on a Target to 0.1" Header Pins.
Accessories	**071-1844-xx**	Service Manual (English only).
	FPGAView-xx	FPGA Support for Altera and Xilinx.
	SIGEXPTE	National Instruments SignalExpress™ Tektronix Edition Software (Professional).
	TPA-BNC	TekVPI to TekProbe BNC Adapter.
	TEK-USB-488	GPIB to USB Adapter.
	119-6827-00	CompactFlash to USB Memory Card Reader.
	AC4000	Soft Transit Case.
	HCTEK4321	Hard Transit Case (requires AC4000).
	RM4000	Rackmount Kit.
	AMT75[*1]	1 GHz, 75 Ω Adapter.

[*1] Requires TekVPI™to TekProbe BNC adapter (TPA-BNC).

3GW-20155-2

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