



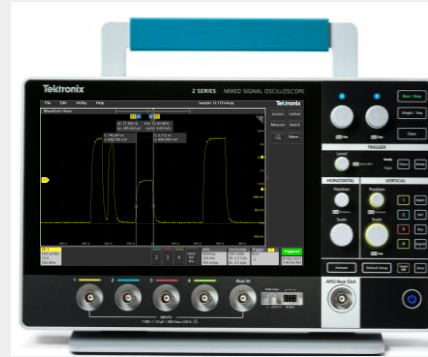
2 Series MSO vs. Siglent SDS2000XP / Lecroy T3DSO2000A

COMPETITIVE FACT SHEET

Visualization & Usability

Tektronix 2 Series MSO

- ✓ 10.1-inch WXGA (1280 x 800) resolution display with touchscreen
- ✓ Touchscreen capabilities with intuitive control commands
- ✓ Ability to view multiple waveform slices in stacked mode
- ✓ Common user interface across the scope family



Siglent SDS2000XP

- ✗ 10.1-inch 1024 x 600 resolution display with touchscreen
- ✓ Touchscreen capabilities
- ✗ Waveform view is limited to one display window
- ✗ Different user interfaces across different models



Portability & Physical Characteristics

Tektronix 2 Series MSO

- ✓ **Battery:** Optional battery pack can power the instrument for up to 8 hours
- ✓ **Weight:** 4 lbs standalone and 8 lbs total with battery pack and two batteries
- ✓ **Footprint:** 8.26" x 13.54" x 1.59" (H x W x D) dimensions allows for more desk space
- ✓ **Flexibility:** VESA Mount allows for the scope to be positioned in many ways

Siglent SDS2000XP

- ✗ **Battery:** There is no battery support
- ✗ **Weight:** 7.3 lbs is heavier than the 2 Series MSO without the battery pack
- ✗ **Footprint:** 8.82" x 13.86" x 4.37" (H x W x D) dimensions takes up more space on the lab bench
- ✗ **Flexibility:** No VESA Mount

Key Specifications Comparison

	Tektronix 2 Series MSO		Siglent SDS2000XP	
Analog Channels	✓	2, 4	✓	2, 4
Digital Channels	✓	16 (with option 2-MSO)	✓	16
Bandwidth	✓	70, 100, 200, 350, 500 MHz	✗	100, 200, 350, 500* MHz
Max. Sample Rate	✓	1.25 GS/s (all channels on) 2.5 GS/s (half channels on)	✗	1 GS/s (all channels on) 2 GS/s (half channels on)
Max. Record Length (All channels on)	✗	10 M points	✓	100 M points
Maximum Input Voltage	✓	CATII 300 Vrms	✗	CATI 300 Vrms
Standard Trigger Types	✓	Edge, Pulse Width, Runt, Timeout, Logic, Setup & Hold, Rise/Fall Time, Parallel Bus	✓	Edge, Slope, Pulse, Video, Windows, Runt, Interval, Dropout, Pattern, Serial
Arbitrary Function Generator (AFG)	✓	1-channel, 50 MHz	✓	1-channel, 50 MHz
Digital Pattern Generator (DPG)	✓	4 channels, 4k memory length, up to 25Mbps	✗	No

*500 MHz model only available on 2-channels



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Productivity

Tektronix 2 Series MSO

- ✓ **Help:** Shows graphical images and explanatory text to provide quick feature overviews. Application notes and more information available on website
- ✓ **Feature Control:** Allows disabling of autoset, cursors, and automated measurements
- ✓ **Front Panel:** Simplified front panel with LED color coded ring lights
- ✓ **Highly Customizable Software:** Change font sizes, colors, autoset, window sizes, and much more
- ✓ **PC Analysis:** Perform advanced analysis using TekScope™, with same UI as 2 Series



Siglent SDS2000XP

- ✗ Built in help available
- ✗ No feature control options available
- ✗ Complicated front panel with extraneous buttons and no color-coded lights
- ✗ Ability to customize language, only customizable option
- ✗ No comprehensive software to perform advanced analysis on PC



Measurement

Tektronix 2 Series MSO

- ✓ Display unlimited measurements either as measurement badge or collectively in a results table
- ✓ One set of cursors per display, can be enabled in any window simultaneously
- ✗ Perform serial protocol triggering and analysis on the most common buses (requires 2-SERIAL)
- ✓ Unlimited math waveforms and reference signals
- ✓ Gate both measurements and FFTs
- ✓ 37 automatic measurements
- ✓ Frequency Response Analysis (Bode plot, requires 2-SOURCE)

Siglent SDS2000XP

- ✗ Maximum of 12 active measurements at once
- ✓ One set of XY cursors available
- ✓ Serial triggering and decoding standard
- ✗ Up to 2 math waveforms and up to 4 reference signals
- ✗ Measurement gating available
- ✓ 49 automatic measurements*
- ✓ Bode plot standard

Connectivity

Tektronix 2 Series MSO

- ✓ Two USB 2.0 HOST ports
- ✓ One USB DEVICE port
- ✓ Ethernet port for network connectivity
- ✓ TekDrive™ is natively integrated as a T&M collaborative data workspace that allows for seamless data access anywhere and much more



Siglent SDS2000XP

- ✓ Two USB 2.0 HOST port
- ✓ One USB DEVICE port
- ✓ Ethernet port
- ✗ Built-in web server supports remote control by the LAN port using a web browser



*FRFF, etc. are included in Delay on 2 Series MSO