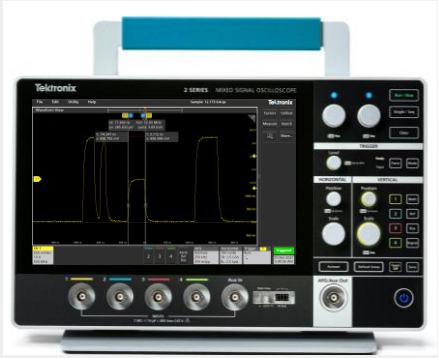
2 Series MSO vs. PicoScope 5000D

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



PicoScope 5000D

- ✗ No screen, requires connection to PC
- ✗ Touchscreen capabilities depend on PC connected to
- ✓ Ability to view multiple waveforms at once
- ✓ Common software across scopes uses same user interface

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
- ✓ **Extras:** No additional devices required when collecting data in the field, saving on travel space

PicoScope 5000D

- ✗ **Battery:** Powered from USB 3.0 port (2-channels) or AC adaptor (4-channels)
- ✓ **Weight:** 1.1 lbs, but requires additional weight for PC
- ✓ **Footprint:** 6.7” x 7.5” x 1.6” (H x W x D) dimensions, but requires additional space for PC
- ✗ **Flexibility:** No VESA Mount
- ✗ **Extras:** Requires another device to be transported when collecting data in the field

Key Specifications Comparison

	Tektronix 2 Series MSO		**PicoScope** 5000D	
Analog Channels	✓	2, 4	✓	2, 4
Digital Channels	✓	16 (with option 2-MSO)	✓	16 (MSO model)
Bandwidth	✓	70, 100, 200, 350, 500 MHz	✗	60, 100, 200 MHz
Max. Sample Rate	✓	1.25 GS/s (all channels on) 2.5 GS/s (half channels on)	✗	250 MS/s (all channels on) 500 MS/s (half channels on)*
Max. Record Length (All channels on)	✗	10 M points	✓	128 to 512 M points
Standard Trigger Types	✓	Edge, Pulse Width, Runt, Timeout, Logic, Setup & Hold, Rise/Fall Time, Parallel Bus	✓	Edge, Window, Pulse Width, Window Pulse Width, Dropout, Window Dropout, Interval, Runt, Logic
Arbitrary Function Generator (AFG)	✓	1-channel, 50 MHz	✗	1-channel, 20 MHz
Digital Pattern Generator (DPG)	✓	4 channels, 4k memory length, up to 25 Mbps	✗	No

*Numbers for 8-bit model, higher bit modes available at lower sample rates

2 Series MSO vs. Rohde & PicoScope 5000D

COMPETITIVE FACT SHEET

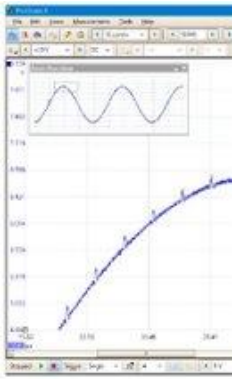
Productivity

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
- ✓ **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

PicoScope 5000D

- ✗ Help menu located on PicoScope 6 software
- ✗ No feature control options
- ✓ Font size, language, colors, etc. are customizable
- ✓ All analysis is performed on PicoScope 6 software with advanced options



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)

PicoScope 5000D

- ✗ Display as many measurements as you need on each view & up to 18 measurements in a table
- ✗ One set of XY cursors
- ✓ Serial decode only as standard
- ✓ Unlimited math waveforms and reference signals
- ✓ Measurement or FFT gating
- ✗ 30 automatic measurements
- ✗ No Bode plot

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
- ✓ Everything can be displayed from device, no additional software or devices necessary

PicoScope 5000D

- ✗ No USB HOST ports on device, requires ports on PC
- ✓ One USB DEVICE port
- ✗ No ethernet port, requires port to be on PC
- ✓ PicoLog cloud allows for data collection and analysis
- ✗ Requires additional device and software to be downloaded to be able to perform analysis