Tektronix®

Delightful Analysis.

Upgradability to fit your needs for years to come.

NEW FEATURES & OPTIONS

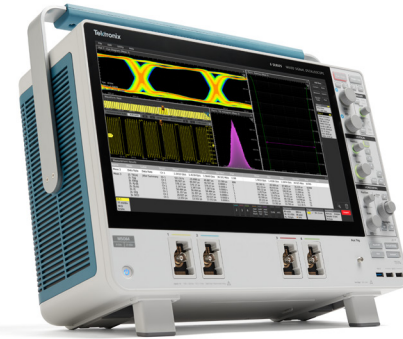| 15.6" HD display | Pinch-swipe-zoom touchscreen | 4, 6, or 8 FlexChannel® inputs | 12-bit analog to digital converters | 350 MHz to 8 GHz bandwidth | Starting at $13k |

	5 SERIES MSO	6 SERIES MSO
Bandwidth	350 MHz, 500 MHz,1 GHz, 2 GHz	1 GHz, 2.5 GHz, 4 GHz, 6 GHz, 8 GHz
Analog Channels	4, 6 or 8	4
Digital Channels	Up to 64 [1]	Up to 32 [1]
Sample Rate (All Channels)	6.25 GS/s	25 GS/s
Display	15.6 inch HD (1920x1080) w/ Capacitive Touch	15.6 inch HD (1920x1080) w/ Capacitive Touch
Record Length	62.5 Mpoints, 125 Mpoints [1]	62.5 Mpoints, 125 Mpoints [1], 250 Mpoints [1]
Integrated Instruments	Arbitrary/Function Generator [1]; Digital Voltmeter [2]; Frequency Counter [2]	
Advanced Analysis	Mixed Domain Analysis (time & frequency); Advanced Jitter Analysis [1]; Advanced Power Measurement and Analysis [1]	
Protocol Decode	Aerospace (MIL-STD-1553, ARINC-429); Audio (I^2S, LJ, RJ, TDM); Automotive (CAN, CAN FD, CAN .dbc, LIN, FlexRay); Automotive Sensors (SENT); Computer (RS-232/422/485/UART); Embedded (I^2C, SPI); MIPI I3C; Ethernet (10BASE-T, 100BASE-TX); Power Management (SPMI); USB2.0 (LS, FS, HS)	
Compliance and Validation	10/100/1000BASE-T Ethernet; 100/1000BASE-T1 Automotive Ethernet; USB2.0	10/100/1000BASE-T Ethernet; 2.5/5GBASE-T Ethernet; 10GBASE-T Ethernet; 100/1000BASE-T1 Automotive Ethernet; DDR3 Measurements; MIPI D-PHY 1.2; USB2.0
Base Price Range [3]	$13,700 to $44,000	$24,200 to $75,000
	TEK.COM/5SERIESMSO	**TEK.COM/6SERIESMSO**

[1] Optional and Upgradeable.
[2] Free with product registration.
[3] Prices are subject to change.

Validation and Automated Compliance Options

5 and 6 Series
- **NEW!** 10/100/1000BASE-T Ethernet
- Automotive Ethernet
- USB 2.0

6 Series
- **NEW!** DDR3 Measurements
- **NEW!** MIPI D-PHY 1.2
- **NEW!** 2.5/5GBASE-T Ethernet
- **NEW!** 10GBASE-T Ethernet

FlexChannel inputs
- 4, 6, or 8 (5 Series)
- 4 (6 Series)
- 1 analog or 8 digital signals each

Available bandwidth (upgradeable)
- 350 MHz to 2 GHz (5 Series)
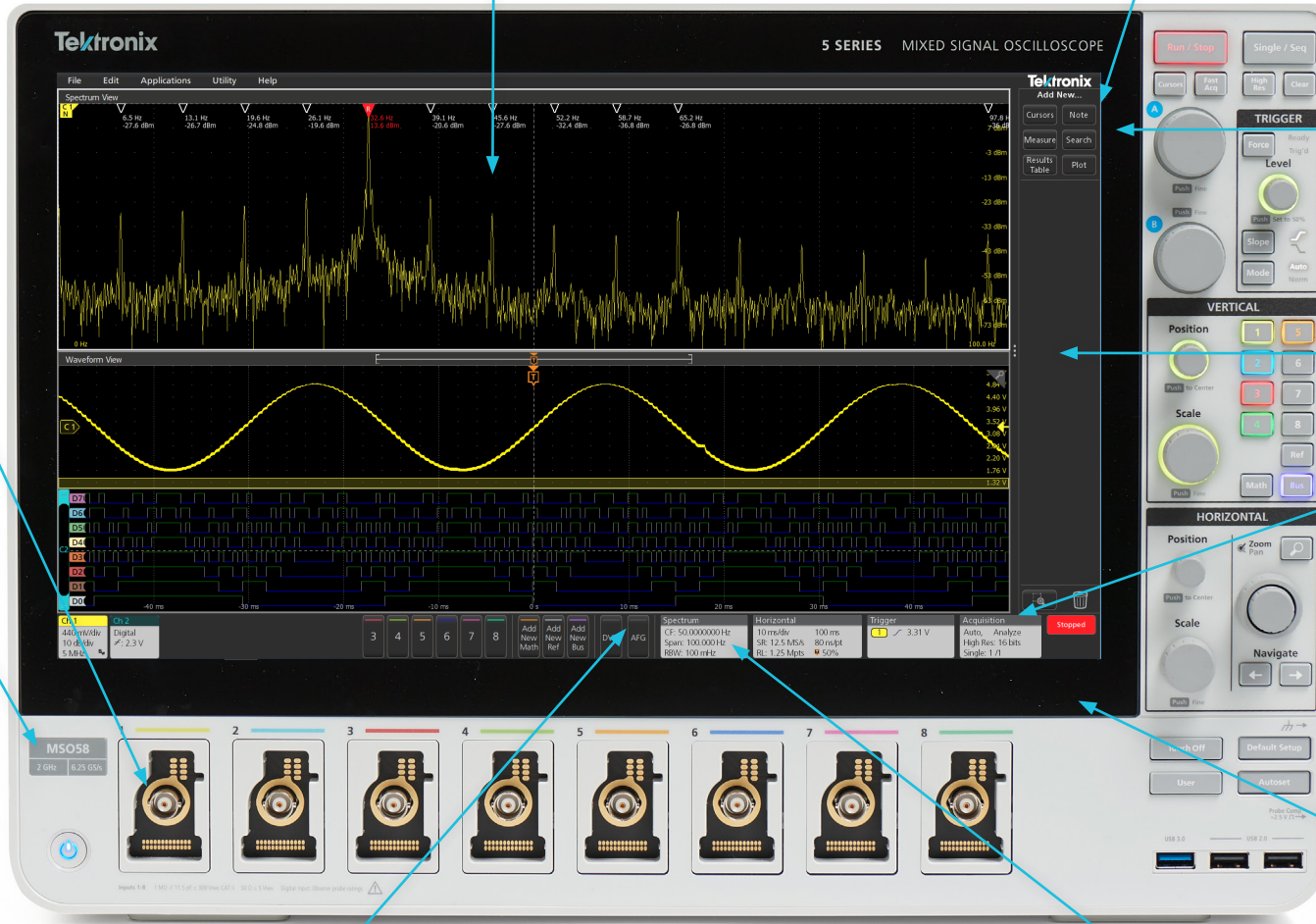- 1 GHz to 8 GHz (6 Series)

Protocol options

Serial bus trigger and analysis
- I²C/SPI
- RS-232/UART
- CAN/CAN FD/LIN/FlexRay
- USB 2.0
- Ethernet
- Audio
- Aerospace
- SENT
- SPMI
- I3C

NEW! Synchronized spectrum and waveform views offer mixed domain analysis with independent controls for each domain

Powerful Analysis
- 36 standard measurements with trend, histogram, and spectrum plots
- Advanced Jitter Analysis option
- Power Measurement option

15.6" HD (1,920 x 1,080) display w/ capacitive touchscreen

Next generation user interface designed for both touch and mouse

Record length
- 62.5 Mpts Standard
- 125 Mpts Optional
- 250 Mpts Optional on 6 Series

12–bit ADCs and new High Res mode offer up to 16–bit vertical resolution

Built in Arbitrary/Function Generator option

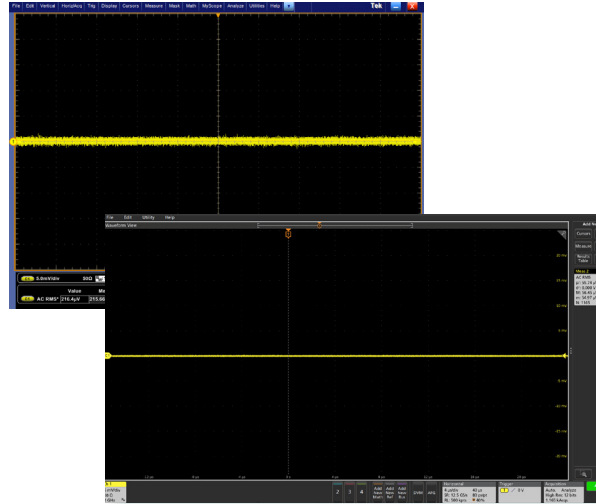Easily configured to run with or without Windows 10 operating system

More than 70% noise reduction compared to previous-generation instruments

More than a remarkably intuitive user interface: a delightful experience.

🤚 Swipe to navigate through signals

🤚 Pinch to scale waveforms

🤚 Drag-and-drop cursors and measurements

The 6 Series MSO offers lowest noise at high sensitivity.

See signals you couldn't see before, thanks to state-of-the-art TEK061 pre-amp ASICs

Buy what you need now. Add on as your needs change.

Performance Upgrades
Bandwidth up to 8 GHz on 6 Series,
up to 2 GHz on 5 Series

Record Length up to 250 Mpoints on 6 Series,
up to 125 Mpoints on 5 Series

Digital Inputs
TLP058 Logic Probes each provide 8 digital channels

Operating System
Add Windows 10 OS to run PC software on the scope

Signal Generation
Add a built-in Arbitrary/Function Generator

Serial Bus Decode/Trigger
Support for key buses like I²C, SPI, USB 2.0, Ethernet, CAN, LIN, and many others

Advanced Analysis
Automated power supply measurement and analysis

Comprehensive jitter decomposition and eye-diagram analysis

Automated compliance testing for widely-used serial standards

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