

# Delightful Analysis.

Upgradability to fit your needs for years to come.



15.6"  
HD display



Pinch-swipe-zoom  
touchscreen



4, 6, or 8  
FlexChannel® inputs



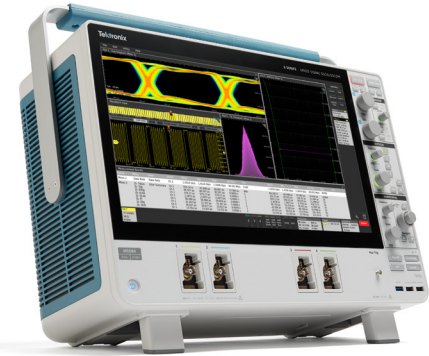
12-bit analog to  
digital converters



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 <sup>1</sup>	Up to 32 <sup>1</sup>
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 <sup>1</sup>	62.5 Mpoints 125 Mpoints <sup>1</sup> 250 Mpoints <sup>1</sup>
Integrated Instruments	Oscilloscope; Logic Analyzer <sup>1</sup> ; Protocol Analyzer <sup>1</sup> ; Arbitrary/Function Generator <sup>1</sup> ; Digital Voltmeter <sup>2</sup> ; Frequency Counter <sup>2</sup>	
Optional Advanced Analysis <sup>1</sup>	Advanced Jitter and Eye Analysis; Aerospace (MIL-STD-1553, ARINC-429); Audio (I <sup>2</sup> S, LJ, RJ, TDM); Automotive (CAN, CAN FD, LIN, FlexRay); Automotive Ethernet Compliance; Automotive Sensors (SENT); Computer (RS-232/422/485/UART); Embedded (I <sup>2</sup> C, SPI); Ethernet (10BASE-T, 100BASE-TX); Power Analysis; Power Management (SPMI); USB2.0 (LS, FS, HS); USB2.0 Compliance	
Base Price Range	\$13,000 to \$41,800	\$23,500 - \$75,000
	<a href="http://TEK.COM/5SERIESMSO">TEK.COM/5SERIESMSO</a>	<a href="http://TEK.COM/6SERIESMSO">TEK.COM/6SERIESMSO</a>

<sup>1</sup> Optional and Upgradeable.

<sup>2</sup> Free with product registration.



### 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

- Provides simple, intuitive scope operation
- Access controls directly through objects on the display rather than navigating menus to get to menus

Record length

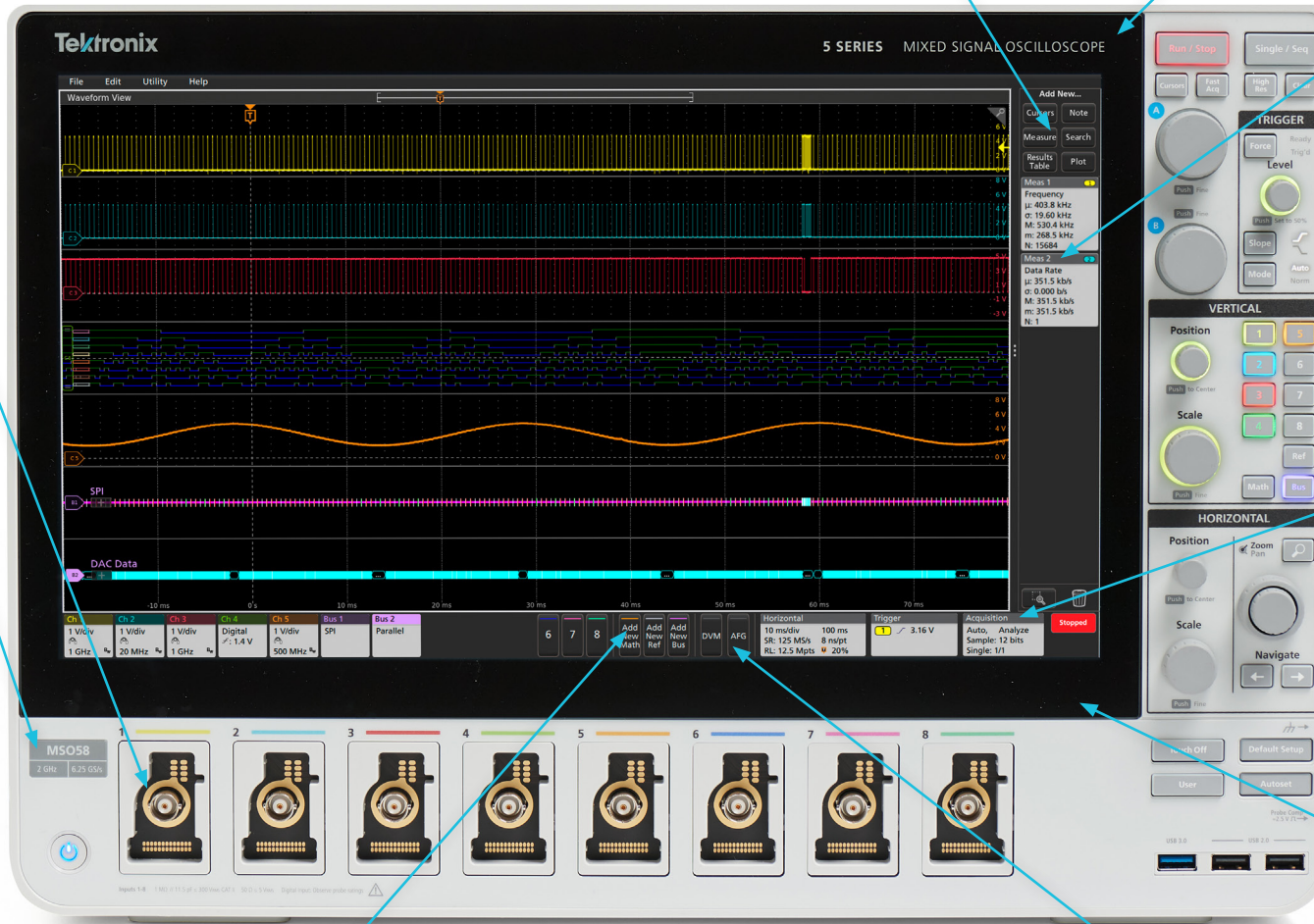
- 62.5 Mpts Standard
- 125 Mpts Optional
- 250 Mpts (only available as an option on the 6 series)

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

Built in Arbitrary/Function Generator option

When removable SSD w/ Windows 10 license is:

- Installed: scope boots as open Windows OS (w/ desktop)
- Not installed: scope boots as a dedicated scope



### FlexChannel inputs

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

### Available bandwidth (upgradeable)

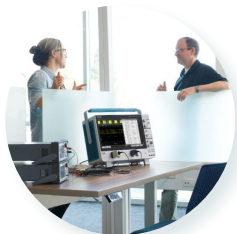
- 350 MHz to 2 GHz (5 Series)
- 1 GHz to 8 GHz (6 Series)

### Protocol options

Serial bus trigger and analysis




- I<sup>2</sup>C/SPI
- RS-232/UART
- CAN/CAN FD/LIN/FlexRay
- USB 2.0
- Ethernet
- Audio
- Aerospace
- SENT
- SPMI

MSO58



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

Get the big picture and take total control, with the 15.6-inch HD touchscreen display. Use the capacitive pinch-zoom-swipe touchscreen, front panel controls, or mouse to analyze and manage multiple signals without fighting through menus.

-  Swipe to navigate through signals
-  Pinch to scale waveforms
-  Drag-and-drop cursors and measurements

## Let no detail go unseen, with up to 16 bits of vertical resolution.

12-bit analog to digital converters deliver up to 16 bits of vertical resolution using advanced digital signal processing. See and measure small signal details, even if they're riding on large signals.

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

### Performance

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

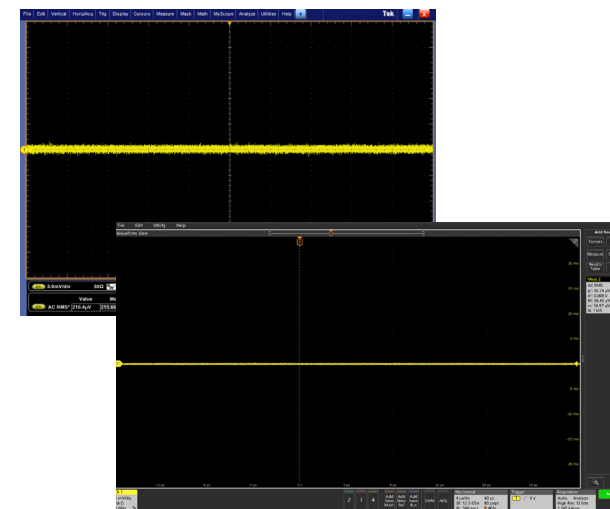
Support for key buses like I<sup>2</sup>C, SPI, USB 2.0, Ethernet, CAN, LIN, and many others

### Advanced Analysis

Automated power supply measurement and analysis  
Comprehensive jitter decomposition and eye-diagram analysis

## 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



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

[TEK.COM/5SERIESMSO](http://TEK.COM/5SERIESMSO) and [TEK.COM/6SERIESMSO](http://TEK.COM/6SERIESMSO)

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