



Portable Oscilloscope Makes Automotive Test and Debug Easier

Get tools that move as fast as you do.



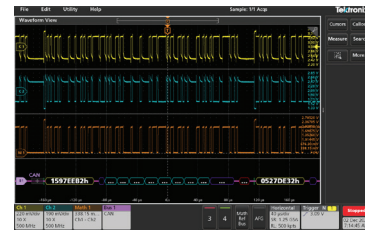
The NEW 2 Series MSO Mixed Signal Oscilloscope

Automotive electronics have never been faster, safer, and more connected, so their measurement technology must be on the same wavelength. Engineers need tools that can validate, test, and design with speed and accuracy.



Extreme Portability

The 2 Series MSO is a full-featured oscilloscope in a compact, portable form factor allowing your customers to test in places they've never been able to before. Weighing around 4 pounds, this oscilloscope is perfect for automotive engineers' field testing. The optional hot-swappable batteries can last up to 8 hours.



Automotive Bus Debug and Analysis

Many vehicle designs use common bus protocols for communication with engine control units, safety systems, sensors and entertainment systems. Bus errors and lockups are indicative of problems in the design. The 2 Series MSO is equipped with protocol decoding such as CAN, LIN, SENT, I2C and more that can be used to capture, decode and analyze any issues with speed and accuracy.



Vehicle Sensor Testing

The 2 Series MSO with integrated function generator enables the capture of many signals for mixed signal analysis. Built-in advanced triggers can be used to attain complex events for analysis using math and automated measurements.



Offline Collaboration and Analysis

The 2 Series MSO makes remote collaboration and analysis easy. Natively integrated into the oscilloscope, TekDrive and TekScope give users access to store, share, test, and analyze waveforms from any location.

Portable Oscilloscope Makes Automotive Test and Debug Easier



2 Series MSO Key Specifications

	MSO22	MSO24
Analog Channels	2	4
Bandwidth	70 MHz, 100 MHz, 200 MHz, 350 MHz, 500 MHz	
Sample Rate	1.25 GS/s (All), 2.5 GS/s (Half)	
Record Length	10 Mpts all channels	
Battery Operation	2 slot, hot swappable with up to 8 hours	
Advanced Triggers	Edge, Pulse Width, Timeout, Setup & Hold, Rise/Fall Time, Runt	
Standard Analysis	Cursors: Waveform, V bars, H bars, and V&H bars, Math: Basic waveform arithmetic, FFT, and advanced equation editor	
Digital Channels (MSO) ¹	16	
Function Generator	50 MHz, single channel with 128k point arbitrary waveform	
Digital Pattern Generator ¹	4 bit	
Protocol Analysis	I2C, SPI, UART, CAN, CAN-FD, LIN, SENT	
Display	10.1-inch, WXGA, color, touch	
VESA	100 mm x 100mm	
Warranty	1 year	
TekDrive ²	Collaborative workspace to save, recall, and share scope data	
TekScope ²	Data visualization and analysis capabilities on a PC	
Kickstart	Quick data plotting and statistical summaries	
Optional Service Plans	Extended warranties, Total Product Protection Plan, and calibration services plans available	

¹ Will be available in a future release

² 6 month subscription included with purchase

Companion Products for Automotive Test


Consider pairing these recommended bench instruments and software options alongside the 2 Series MSO for a complete automotive testing solution. These industry-leading tools help customers move as fast and efficiently as their designs.




AFG31000
Arbitrary Function Generator




RSA306B
USB Spectrum Analyzer




2231A-30-3 DC
Power Supply



Current Probes



DMM6500
Digital Multimeter



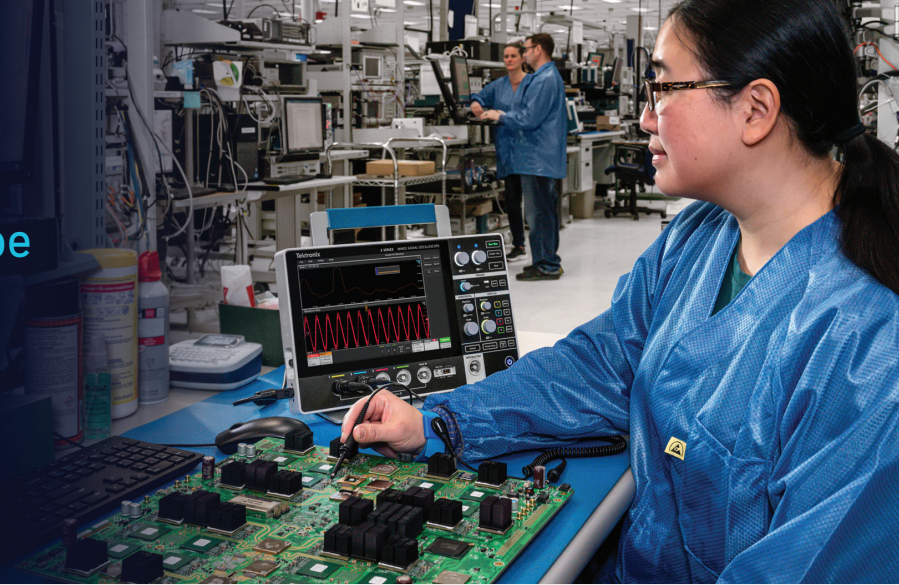
TekScope Pro-Auto bundle





Compact, Reliable Oscilloscope Makes Manufacturing Testing and Design Validation Easier

Allow your manufacturing and industrial customers more time to innovate and less time fixing old designs.



The NEW 2 Series Mixed-Signal Oscilloscope

As the fastest growing industry in the world, manufacturing has never been safer, more creative and connected so their measurement technology must be on the same wavelength. Engineers need reliable tools that can test and troubleshoot with speed and accuracy.



Small Footprint, Programmability, and Backward Compatibility

The 2 Series MSO is a full-featured oscilloscope in a compact form factor that saves bench space. The optional rackmount kit makes it easy to integrate the 2 Series with other equipment. The SCPI Programmable interface commands can be used to remotely control the scope via USB or ethernet port. Compatibility mode makes replacing an older model scope easier without rewriting code, making this a perfect choice for manufacturing engineers.



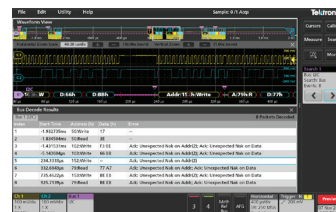
Fast Failure Analysis with Limit/Mask Testing

Limit/Mask testing is a standard feature on the 2 Series MSO. These comprehensive features allow engineers to test and validate using a golden reference signal or user-defined tolerances. Mask tools include test duration, violation thresholds, failure statistical information, and action creation that could be widely used for mass quality control on the production floor.



Efficient Board Rework and Troubleshooting

Failure analysis of rejected parts or part reworking for future improvement is a standard part of the manufacturing flow. The 2 Series MSO is equipped with advanced triggers, automated measurements, complex math, protocol triggering, and decoding capabilities that enable troubleshooting with speed and accuracy.



Easy Data Sharing and Offline Analysis

Natively integrated, TekDrive and TekScope give users access to store, share, test and compare waveforms from any location. Allowing manufacturing engineers, the freedom to share data with design engineers, customers, and reliability, compliance team to analyze and root cause from any location reducing problem-solving time.

Compact, Reliable Oscilloscope Makes Manufacturing Testing and Design Validation Easier



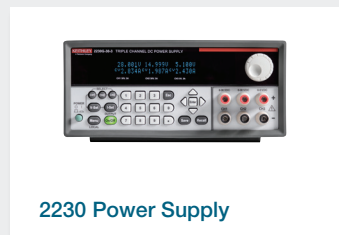
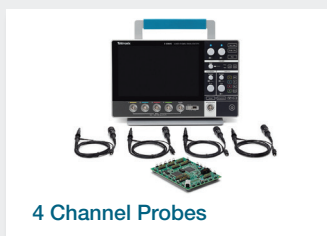
2 Series MSO Key Specifications

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Sample Rate	1.25 GS/s (All), 2.5 GS/s (Half)	
Record Length	10 Mpts all channels	
Battery Operation	2 Slot, hot swappable with up to 8 hours	
Advanced Triggers	Edge, Pulse Width, Timeout, Setup & Hold, Rise/Fall Time, Parallel Bus	
Standard Analysis	Cursors: Waveform, V bars, H bars, and V&H bars, Math: Basic waveform arithmetic, FFT, and advanced equation editor	
Digital Channels (MSO)	16	
Function Generator	50 MHz, single channel with 128k point arbitrary waveform	
Digital Pattern Generator	4 bit	
Protocol Analysis	I2C, SPI, UART, CAN, CAN-FD, LIN, SENT	
Display	10.1-inch, WXGA, color, touch	
VESA	100 mm x 100mm	
Warranty	1 year	
TekDrive ¹	Collaborative workspace to save, recall, and share scope data	
TekScope ¹	Extend data visualization and analysis capabilities to your PC	
Kickstart	Quick data plotting and statistical summaries	
Optional Service Plans	Extended warranties, Total Product Protection Plan, and calibration services plans available	

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Companion Products for Manufacturing Testing

Consider pairing these recommended bench instruments alongside the 2 Series MSO for a complete manufacturing testing solution. These industry-leading instruments help engineers move as fast and efficiently as their designs.



Tektronix®

Next Gen Tek for the Next Generation

Equip your learning labs with an affordable yet powerful bench solution.



Embedded Design Bench Featuring the NEW 2 Series MSO

Universities need affordable and modern instruments to enhance their reputation and prepare students for the industry. This collection of recommended instruments includes everything that students need to learn how to capture, analyze and find the root cause of complex embedded designs.

NEW SERIES!



2 Series MSO Mixed Signal Oscilloscope

The 2 Series MSO is a full-featured oscilloscope in a compact, portable form factor that feels like a tablet. The unique set of features makes this scope perfect for students exploring education labs with a help button that provides context-applicable solutions in real-time.



DMM6500 Digital Multimeter

The DMM6500 digital multimeter provides high-performance without high investment. This leading touchscreen bench DMM with built-in premium features is perfect for the classroom, outperforming many industry digital multimeters at the same price point.



2231A-30-3 DC Power Supply

The 2231A-30-3 Multi-channel Programmable DC Power Supply is ideal for testing a wide range of devices throughout the education lab, cost-effectively.



AFG31000 Series Arbitrary Function Generator

This high-performance AFG with built-in arbitrary waveform generation and the largest touchscreen on the market is perfect for the modern teaching lab.

Next Gen Tek for the Next Generation



This bench provides students with practice on industry-leading instruments to help them learn real-world applications with the addition of our groundbreaking 2 Series MSO Mixed Signal Oscilloscope.

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Record Length	10 Mpts all channels	
Advanced Triggers	Edge, Pulse Width, Runt, Timeout, Logic, Setup & Hold, Rise/ Fall Time, Parallel Bus	
Standard Analysis	Cursors: Waveform, V bars, H bars, and V&H bars, Math: Basic waveform arithmetic, FFT and advanced equation editor	
Education Features	Help menu and user interface tutorial	
Digital Channels (MSO) ¹	16	
Function Generator	50 MHz, single channel with 128k point arbitrary waveform	
Digital Pattern Generator ¹	4 bit	
Battery Operation	2 Slot, hot swappable with up to 8 hours	
Protocol Analysis	I2C, SPI, UART, CAN, CAN-FD, LIN, SENT	
Display	10.1-inch, WXGA, color, touch	
Security	Kensington lock	
VESA	100 mm x 100mm	
Warranty	1 year	
TekDrive	Collaborative workspace to save, recall, and share scope data	
TekScope	Extend data visualization and analysis capabilities to your PC	
Optional Service Plans	Extended warranties, Total Product Protection Plan, and calibration services plans available	

¹Available with future software release.

Save with Education Pricing Program

We've made it easy for schools and universities to equip their engineering labs with world-class test and measurement equipment at an affordable price.

Qualifying educational institutions enjoy savings with the Education Pricing Program.

