Tektronix®

Portable Oscilloscope Makes Automotive Test and Debug Easier

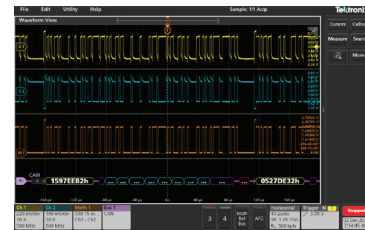## Get tools that move as fast as you do.

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.

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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 arbitary 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