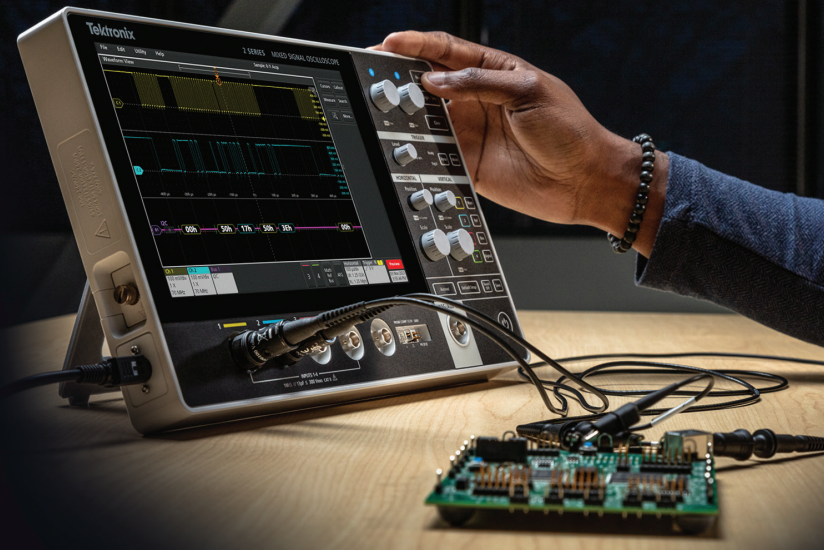




## Oscilloscope Measurement Capabilities Makes Design, Test, and Debug Easier

Prepare your Embedded Engineering customers with tools that give them more time to develop and test their designs.



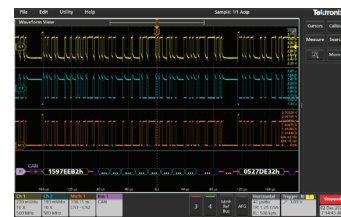
## The NEW 2 Series Mixed-Signal Oscilloscope

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



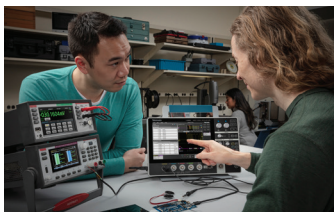
### Power Supply Sequence and Measurement

In systems that rely on multiple power rails, power-on and off sequences can be critical. If the power supplies do not turn on and off when expected or if the function is unstable, the system may not perform as designed. The 2 Series MSO has 4 analog and 16 digital channel that can be synchronized and combined to get a complete picture allowing high-resolution signals for accurate testing.



### Serial Protocol Triggering and Analysis

With an increasing number of designs utilizing serial communications links between the microcontroller and the peripherals, you need a proven test solution to verify these serial buses are operating as expected. Excessive bus errors and lockups can cause problems to any embedded design. The 2 Series MSO is equipped with protocol trigger and decoding for buses such as I2C, SPI, RS-232/422/485/UART, CAN, CAN FD, LIN and SENT, that can be used capture bus events with speed and accuracy.



### Accurate Device Characterization

New devices need to be characterized under various environmental conditions to test scenarios. The 2 Series MSO with built in measurement and statistics can be automated to run tests under different scenarios to collect the required data for characterization.



### Offline Collaboration and Data 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.

# Oscilloscope Measurement Capabilities Makes Design, 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	
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 <sup>1</sup>	Collaborative workspace to save, recall, and share scope data	
TekScope <sup>1</sup>	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	

<sup>1</sup> 6 month subscription included with purchase

## Companion Products for Embedded Design Testing

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

**2 Series MSO with Optional Battery Pack**

**DMM6500 Digital Multimeter**

**Series 2220/2230/2231 Multiple Output DC Power Supplies**

**AFG31000 Arbitrary Function Generator**

