Infinite Versatility.
The 6-in-1 MDO3000 Mixed Domain Oscilloscope with a spectrum analyzer. Starting at $3,350.*

Designs have evolved, integrating analog, digital and RF technologies. Now, it’s the oscilloscope’s turn.
Introducing the MDO3000 Mixed Domain Oscilloscope. Featuring a spectrum analyzer, function generator and more, it’s the only scope that comes with the instruments you use most, built-in. It’s also upgradeable, enabling you to add instruments and increase bandwidth as your needs grow. So you get unlimited versatility at a starting price that’s anything but limiting.

*Starting price includes an oscilloscope, spectrum analyzer and digital voltmeter. Other instruments and bandwidth may be added for additional cost.
Unlimited Versatility

Customizable. With the optional built-in spectrum analyzer, function generator, logic analyzer, protocol analyzer and DVM, you can do a lot with the MDO3000. By simply adding the options you need, you can meet the requirements of a range of different devices, all with one instrument.

Upgradeable. The MDO3000 is also fully upgradeable. In the coming months and years, if you find your needs change, you can add functionality, analysis options or even increase your oscilloscope bandwidth. The MDO3000 can evolve along with your designs, and your budget.

World-class Oscilloscope. The MDO3000 gives you comprehensive tools to speed every stage of debug – from quickly discovering anomalies and capturing them, to searching your waveform record for events of interest and analyzing their characteristics. A complete set of tools to help you get your job done faster.

Unmatched Spectrum Analyzer. Most traditional spectrum analyzers are narrowband, showing you only a small portion of your spectrum at any point in time. The MDO3000 offers up to 3 GHz capture bandwidth, so you can see your whole spectrum of interest at once. And with performance comparable to a standalone basic spectrum analyzer, no compromises are required.

Oscilloscope
- 100 MHz to 1 GHz bandwidth models
- Up to 5 GS/s sampling rate
- 2 or 4 analog channels
- 10 Mpoint record length

Logic Analyzer
- 16 digital channels
- 500 MS/s sample rate (2 ns timing resolution)
- 8.25 GS/s sample rate with MagniVu (121.2 ps timing resolution)
- 10 Mpoint record length

Protocol Analyzer
Serial Analysis Packages are available for the following buses-
- I2C, SPI
- RS-232/422/485/LIART
- CAN, LIN
- FlexRay
- USB2.0
- MIL-STD-1553
- PS, LJ, RJ, TDM

Spectrum Analyzer
- Frequency coverage matches bandwidth of oscilloscope
- Upgrade to 9 kHz – 3 GHz for additional charge
- -97 dBc/Hz phase noise at 100 kHz offset
- -138 dBm/Hz displayed average noise level (DANL)

Arbitrary/Function Generator
- Up to 50 MHz function generation
- 13 predefined functions
- Arbitrary waveform generation

Digital Voltmeter
- 4-digit voltmeter with AC+DC RMS, AC RMS, and DC measurements
- 5-digit frequency counter

6 instruments. 1 scope. 0 compromise.

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