

Models	MDO3012	MDO3014	MDO3022	MDO3024	MDO3032	MDO3034	MDO3052	MDO3054	MDO3102	MDO3104
Analog Channels	2	4	2	4	2	4	2	4	2	4
Digital Channels Optional	16	16	16	16	16	16	16	16	16	16
Analog Bandwidth	100 MHz	100 MHz	200 MHz	200 MHz	350 MHz	350 MHz	500 MHz	500 MHz	1 GHz	1 GHz
Analog Sample Rate	2.5 GS/s	2.5 GS/s	2.5 GS/s	2.5 GS/s	2.5 GS/s	2.5 GS/s	2.5 GS/s	2.5 GS/s	5 GS/s	5 GS/s
Digital Sample Rate (Main/MagniVu™)	500 MS/s / 8.25 GS/s	500 MS/s / 8.25 GS/s	500 MS/s / 8.25 GS/s	500 MS/s / 8.25 GS/s	500 MS/s / 8.25 GS/s	500 MS/s / 8.25 GS/s	500 MS/s / 8.25 GS/s	500 MS/s / 8.25 GS/s	500 MS/s / 8.25 GS/s	500 MS/s / 8.25 GS/s
Spectrum Analyzer Input	1	1	1	1	1	1	1	1	1	1
Spectrum Analyzer Frequency Range Standard/Optional	9 kHz - 100 MHz / 9 kHz - 3 GHz	9 kHz - 100 MHz / 9 kHz - 3 GHz	9 kHz - 200 MHz / 9 kHz - 3 GHz	9 kHz - 200 MHz / 9 kHz - 3 GHz	9 kHz - 350 MHz / 9 kHz - 3 GHz	9 kHz - 350 MHz / 9 kHz - 3 GHz	9 kHz - 500 MHz / 9 kHz - 3 GHz	9 kHz - 500 MHz / 9 kHz - 3 GHz	9 kHz - 1 GHz / 9 kHz - 3 GHz	9 kHz - 1 GHz / 9 kHz - 3 GHz
Price (USD)	\$3,350	\$3,990	\$3,990	\$4,450	\$6,900	\$8,300	\$8,750	\$11,200	\$10,500	\$13,900

Instrument Options

MDO3AFG	Arbitrary function generator	\$750
MDO3MSO	16 digital channels, includes P6316 digital probe and accessories	\$1,500
MDO3SA	Increase spectrum analyzer input frequency range to 9 kHz – 3 GHz	\$2,500
MDO3SEC	Add password protected security to enable or disable all communication ports and firmware upgrades	\$400

The MDO3000 is completely customizable. Add the instruments and performance you need now – or later. Simply choose the options you need.

A complete set of bandwidth upgrades are also available to upgrade your MDO3000 should your requirements change. Visit www.tektronix.com/mdo3000 for a complete listing.

Software Packages

Serial Bus Triggering and Protocol Analysis

MDO3AERO	Aerospace (MIL-STD-1553)	\$1,100
MDO3AUDIO	Audio (I ² S, LJ, RJ and TDM)	\$1,100
MDO3AUTO	Automotive (CAN, LIN)	\$1,100
MDO3COMP	Computer (RS-232)	\$1,100
MDO3EMBD	Embedded (I ² C, SPI)	\$1,100
MDO3FLEX	Automotive (FlexRay)	\$1,100
MDO3USB*	USB 2.0 (LS, FS, HS)	\$1,100

Additional Analysis

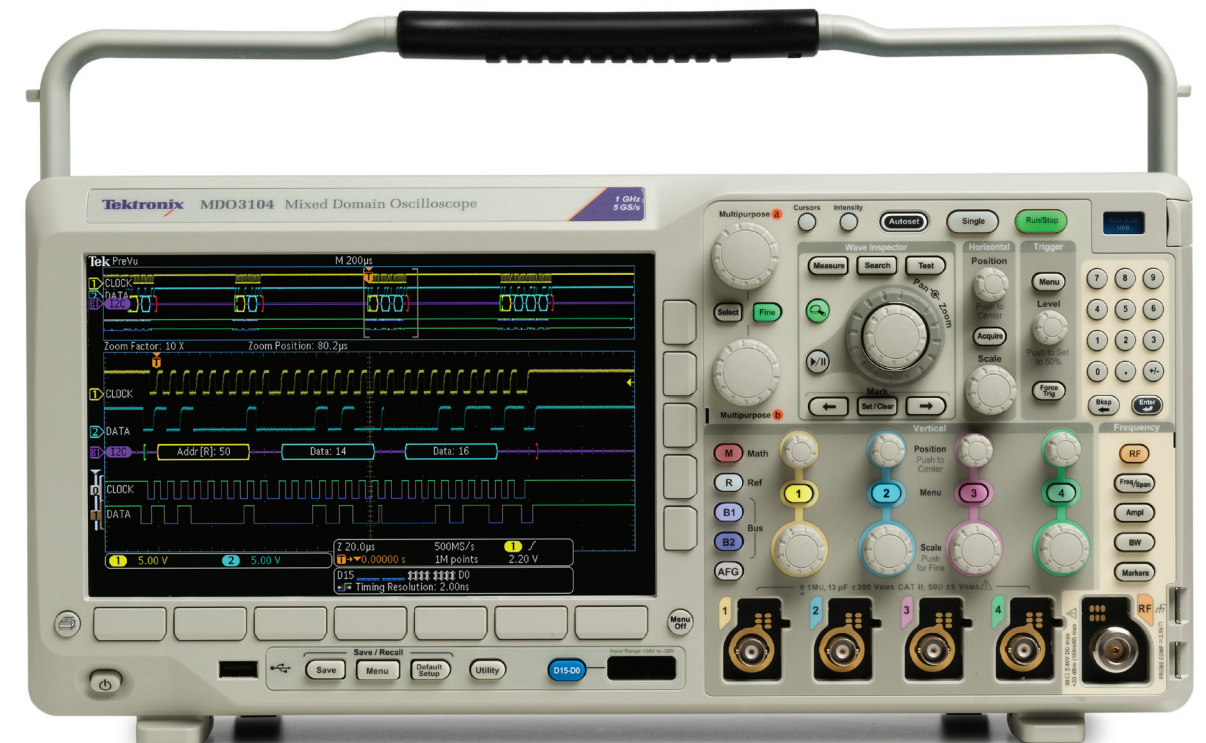
MDO3PWR	Power Analysis	\$1,400
MDO3LMT	Limit/mask test	\$750

*MSRP USD Starting Price

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Tektronix

6 Instruments. 1 Scope. 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.

Tektronix

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/UART
- CAN, LIN
- FlexRay
- USB2.0
- MIL-STD-1553
- I²S, 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

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.

6 instruments. 1 scope. 0 compromise.

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.