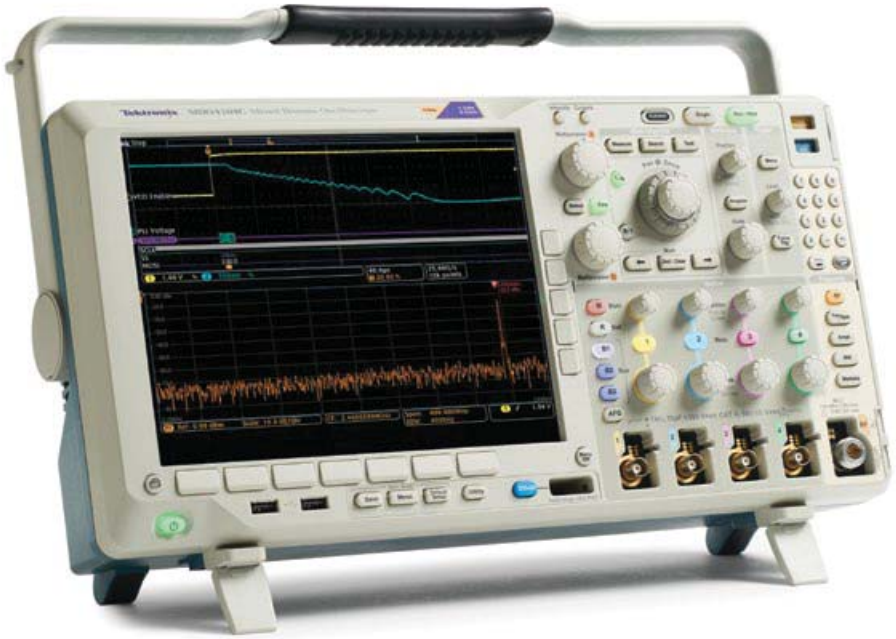
MDO4000C Series

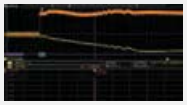


30–SECOND SELL

"The MDO4000C combines the functionality of a mixed signal scope with a spectrum analyzer. Capture analog, digital and RF signals, all time-correlated, for a complete system view of interactions in your device."

PRODUCT HIGHLIGHTS

- 6-in-1 oscilloscope offers a spectrum analyzer, arbitrary/function generator, logic analyzer, protocol analyzer and digital voltmeter
- Spectrum analyzer available in 3 GHz or 6 GHz frequency ranges with up to 3.75 GHz capture bandwidth
- 20 Mpoint record length on all channels
- >340,000 wfm/s max. waveform capture rate with FastAcq



Use it as an oscilloscope OR a spectrum analyzer OR combined to capture synchronized analog, digital and RF signals.

See how your RF spectrum changes over time or device state.

MODELS	STOCK CODE	ANALOG CHANNELS	DIGITAL CHANNELS*	ANALOG BANDWIDTH	ANALOG SAMPLE RATE	DIGITAL SAMPLE RATE MAIN/MAGNIVU™	SPECTRUM ANALYZER INPUT*	SPECTRUM ANALYZER FREQUENCY RANGE
MDO4024C	2504728	4	16	200 MHz	2.5 GS/s	500 MS/s /16.5 GS/s	1	9 kHz – 3 GHz or 6 GHz
MDO4034C	2504729	4	16	350 MHz	2.5 GS/s	500 MS/s /16.5 GS/s	1	9 kHz – 3 GHz or 6 GHz
MDO4054C	2504730	4	16	500 MHz	2.5 GS/s	500 MS/s /16.5 GS/s	1	9 kHz – 3 GHz or 6 GHz
MDO4104C	2504731	4	16	1 GHz	5 GS/s	500 MS/s /16.5 GS/s	1	9 kHz – 3 GHz or 6 GHz

* Optional

MDO4000C Series

APPLICATION MODULES

DPO4BND	Enables DPO4AERO, DPO4AUDIO, DPO4AUTO, DPO4COMP, DPO4EMBD, DPO4ENET, DPO4LMT, DPO4PWR, DPO4USB, DPO4VID	2458420
Serial Bus Triggering and Protocol Analysis		
DPO4AERO	Aerospace (MIL-STD 1553)	1856707
DPO4AUDIO	Audio (I^2S, LJ, RJ and TDM)	1856696
DPO4AUTO	Automotive (CAN, LIN)	1856697
DPO4AUTOMAX	Automotive (CAN, LIN, FlexRay)	1856699
DPO4COMP	Computer (RS-232)	1856700
DPO4EMBD	Embedded (I^2C, SPI)	1856701
DPO4ENET	Ethernet (10BASE-T, 100BASE-TX)	1856706
DPO4USB[*1]	USB 2.0 (LS, FS, HS)	1856702
Additional Analysis		
MDO4TRIG	Adv. RF Power Level Triggering	2250855
DPO4PWR	Power Analysis	1856703
DPO4LMT	Limit and Mask Testing	1856708
DPO4VID	HDTV & Custom Video Triggering	1856705
SignalVu-PC-SVE	Vector Signal Analysis Software	2523991

INSTRUMENT OPTIONS

MDO4AFG	Arbitrary/function generator	2504733
MDO4MSO	16 digital channels, includes P6616 digital probe and accessories	2504734
SA3	3 GHz Spectrum Analyzer	2504735
SA6	6 GHz Spectrum Analyzer	2504736
MDO4SEC	Add password protected security to enable or disable communications and firmware upgrades	2504737

[*1] USB 2.0 HS only available on 1 GHz analog bandwidth models.

SHIPS WITH PRODUCT

- Four TPP0500B (≤500 MHz models) or TPP1000 (1 GHz models) Passive Voltage Probes
- OpenChoice® Desktop Software, SignalVu-PC Software
- Calibration Certificate, Quick Reference Manual & Documentation on CD
- Front Panel Cover, Accessory Bag, Power Cord
- 3-year Warranty

RECOMMENDED PROBES

Passive Voltage Probes		
TPP1000	10X, 1 GHz, 300 V CAT II	1856713
TPP0500B	10X, 500 MHz, 300 V CAT II	2381385
TPP0502	2X, 500 MHz, 300 V CAT II	1877505
Active Voltage Probes		
TAP1500	10X, 1.5 GHz, ± 8 V	1856714
Differential Voltage Probes		
TDP0500	50X/5X, 500 MHz, ± 42 V/± 4.2 V	1856715
TDP1000	50X/5X, 1 GHz, ± 42 V/± 4.2 V	1856717
High Voltage Probes		
THDP0200	500X/50X, 200 MHz, ± 1500 V/± 150 V	2072157
TPP0850	50X, 800 MHz, 2500 V Peak	1877506
Current Probes		
TCP0030A	120 MHz, 30 A DC/30 A RMS/50 A Peak/1 mA Min	2318650

RECOMMENDED SERVICE

T3	3-year Total Protection Plan	NIC
T5	5-year Total Protection Plan	NIC

TOOLS FOR THE CUSTOMER

Data Sheet

FOR MORE INFO VISIT TEK.COM/MDO4000

3 Reasons to Buy this Product

8 out of 10 engineers trust Tektronix for their innovative, high-quality oscilloscopes. Here are a few more reasons why this scope stands out from the rest.

1. Built-in spectrum analyzer with frequency range up to 6 GHz.
2. Only scope to offer a comprehensive, synchronized view of 4 analog, 16 digital and 1 RF channels.
3. Ultra-wide capture bandwidth (> 1 GHz) for a spectrum analyzer, to see more in a single acquisition.