

Mixed Domain Oscilloscopes



- Logic Analyzer (Optional)
 - 16 digital channels
 - 10 M record length on all channels
 - 121.2 ps timing resolution
- Protocol Analyzer (Optional)
 - Serial bus support for I²C, SPI, RS-232/422/485/UART, USB 2.0, CAN, LIN, FlexRay, MIL-STD-1553, and Audio standards
- Digital Voltmeter (Free with product registration)
 - 4-digit AC RMS, DC, and AC+DC RMS voltage measurements
 - 5-digit frequency measurements

Today's integrated designs need an oscilloscope that is just as integrated - such as the MDO3000 Mixed Domain Oscilloscope (MDO) Series. It is the ultimate 6-in-1 integrated oscilloscope that includes an integrated spectrum analyzer, arbitrary function generator, logic analyzer, protocol analyzer, and digital voltmeter/counter. The MDO3000 is completely customizable and fully upgradeable. Add the instruments and performance you need now - or later.

	MDO3012	MDO3014	MDO3022	MDO3024	MDO3032	MDO3034	MDO3052	MDO3054	MDO3102	MDO3104
Analog channels	2	4	2	4	2	4	2	4	2	4
Analog channel bandwidth	100 MHz	100 MHz	200 MHz	200 MHz	350 MHz	350 MHz	500 MHz	500 MHz	1 GHz	1 GHz
Rise time (10 mV/div setting with 50Ω input termination)	4 ns	4 ns	2 ns	2 ns	1.14 ns	1.14 ns	800 ps	800 ps	400 ps	400 ps
Sample rate (1 ch)	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
Sample rate (2 ch)	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
Sample rate (4 ch)	-	2.5 GS/s	-	2.5 GS/s	-	2.5 GS/s	-	2.5 GS/s	-	2.5 GS/s
Record length (1 ch)	10 M	10 M	10 M	10 M	10 M	10 M	10 M	10 M	10 M	10 M
Record length (2 ch)	10 M	10 M	10 M	10 M	10 M	10 M	10 M	10 M	10 M	10 M
Record length (4 ch)	-	10 M	-	10 M	-	10 M	-	10 M	-	10 M
Digital channels with MDO3MSO option	16	16	16	16	16	16	16	16	16	16
Arbitrary Function Generator outputs with MDO3AFG option	1	1	1	1	1	1	1	1	1	1
Spectrum analyzer channels	1	1	1	1	1	1	1	1	1	1
Standard spectrum analyzer frequency range	9 kHz - 100 MHz	9 kHz - 100 MHz	9 kHz - 200 MHz	9 kHz - 200 MHz	9 kHz - 350 MHz	9 kHz - 350 MHz	9 kHz - 500 MHz	9 kHz - 500 MHz	9 kHz - 1 GHz	9 kHz - 1 GHz
Optional spectrum analyzer frequency range with MDO3SA option	9 kHz - 3 GHz	9 kHz - 3 GHz	9 kHz - 3 GHz	9 kHz - 3 GHz	9 kHz - 3 GHz	9 kHz - 3 GHz	9 kHz - 3 GHz	9 kHz - 3 GHz	9 kHz - 3 GHz	9 kHz - 3 GHz