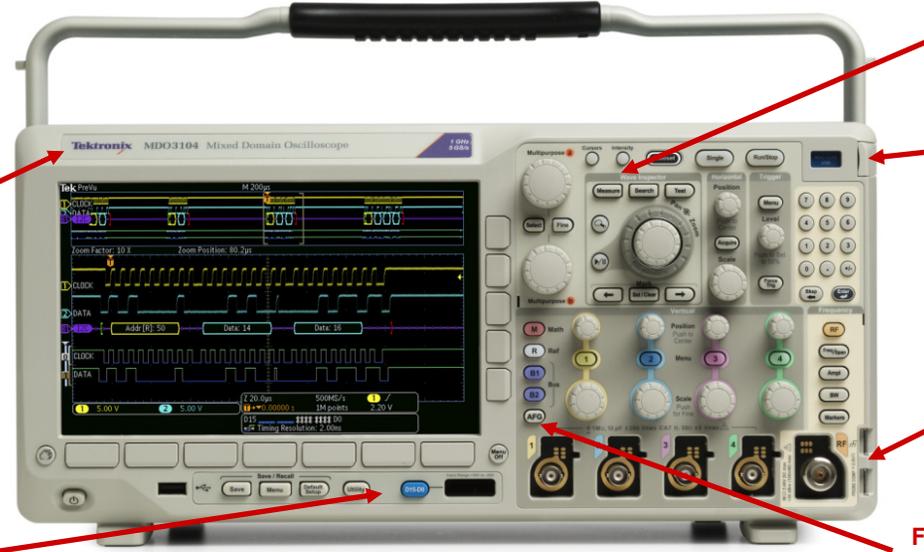# MDO3000 Series Mixed Domain Oscilloscope
Upgrades Available After Purchase

Upgrade as your needs change

Bandwidth Upgrades
- 100MHz
- 200MHz
- 350MHz
- 500MHz
- 1GHz

Digital Voltmeter
Free with product registration

Protocol and Analysis Modules
- **MDO3xxx:** Serial bus trigger and analysis application modules
- **MDO3PWR:** Power Measurements
- **MDO3LMT:** Limit/Mask test

Spectrum Analyzer Frequency Range Upgrade
MDO3SA: Increase input range to 9kHz – 3GHz

Logic Analyzer Upgrade
MDO3MSO: 16 digital channels

Function Generator Upgrade
MDO3AFG: Arbitrary/ Function Generator

Models	Analog Channels	Analog Bandwidth	Record Length	Spectrum Analyzer Channel	Spectrum Analyzer Frequency Range
MDO3104	4	1GHz	10M	1	9kHz - 1GHz
MDO3102	2	1GHz	10M	1	9kHz - 1GHz
MDO3054	4	500MHz	10M	1	9kHz - 500MHz
MDO3052	2	500MHz	10M	1	9kHz - 500MHz
MDO3034	4	350MHz	10M	1	9kHz - 350MHz
MDO3032	2	350MHz	10M	1	9kHz - 350MHz
MDO3024	4	200MHz	10M	1	9kHz - 200MHz
MDO3022	2	200MHz	10M	1	9kHz - 200MHz
MDO3014	4	100MHz	10M	1	9kHz - 100MHz
MDO3012	2	100MHz	10M	1	9kHz - 100MHz

www.tektronix.com/mdo3000

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MDO3000 Series Mixed Domain Oscilloscope
Available Upgrades

All upgrades can be added after purchase.

Upgrade Feature	Option	Description	Upgrade Option Details	Module/ Software Key
Add Instrument Functions	MDO3AFG	Adds arbitrary function generator to any MDO3000	• One time, permanent upgrade to any mode. • Installed with a single-use application module	
	MDO3MSO	Adds 16 digital channels to a MDO3000; includes P6316 digital probe and accessories		
	MDO3SA	Increases input range of spectrum analyzer to 9kHz - 3 GHz		
Add Protocol Analysis	MDO3AERO	MIL-STD-1553 serial bus triggering and analysis module	**Application modules** contain licenses to activate functions. License usage is flexible: • **Stay in the module** − Allows the module to be moved from one MDO3000 to another. • **Transferred to the oscilloscope** − Allows the module to be removed and stored for safekeeping. • **Transferred back to the module** for use in another MDO3000. − Transferring the license to an oscilloscope and removing the module permits the use of more than two applications simultaneously.	
	MDO3AUDIO	Audio serial triggering and analysis module		
	MDO3AUTO	Automotive serial triggering and analysis module (CAN, LIN)		
	MDO3COMP	Computer serial triggering and analysis module (RS-232/422/485/UART bus support)		
	MDO3EMBD	Embedded serial triggering and analysis module (I2C, SPI)		
	MDO3FLEX	FlexRay serial triggering and analysis module		
	MDO3USB	USB2.0 (LS, FS) serial bus triggering and analysis and (HS – 1GHz models only) analysis module		
Add Power Analysis or Limit Testing	MDO3LMT	Limit/mask test module		
	MDO3PWR	Power measurement and analysis module		
Upgrade Bandwidth	MDO3BWxTy2	Bandwidth upgrade for 2-channel MDO3000 from x to y	**Bandwidth upgrades** • Installed with a software key code. − Instrument model and serial number must be provided at the time of upgrade purchase. • Up to 500 MHz can be performed in the field. • 1 GHz require installation at a Tektronix Service Center. • New probes automatically shipped if the original probes have insufficient bandwidth.	Software Key
	MDO3BWxTy4	Bandwidth upgrade for 4-channel MDO3000 from x to y		
Add Digital Voltmeter	N/A	Add digital voltmeter to any MDO3000 (Included with product registration)	• Unique software key provided upon registration. • Register at www.tektronix.com/mdo3register	Software Key
For Secure Areas	MDO3SEC	Add password protected security to enable or disable all communication ports and firmware upgrades to any MDO3000	• Installed with a software key code. − Instrument model and serial number must be provided at the time of upgrade purchase.	Software Key

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