

	Keysight	Tektronics		Rohde & Schwarz		LeCroy	Rigol	
<i>Product</i>	New! InfiniiVision 3000G X-Series	3 Series MDO	4 Series MSO	RTM 3000	RTA4000	Wavesurfer 4000	MSO 5000	MSO 7000
<i>Bandwidth</i>	100 MHz – 1 GHz	100 MHz–1 GHz	200 MHz– 1.5 GHz	100 MHz–1 GHz	200 MHz– 1 GHz	200 MHz– 1 GHz	600 MHz– 2 GHz	100 MHz– 500 MHz
<i>Max Sample Rate</i>	5 GSa/s half channels, 2.5GSa/s all channels	2.5 GSa/s for 100 MHz-500 MHz models, 5 GS/s for 1 GHz models	6.25 GS/s	5 GSa/s interleaved, 2.5 GSa/s per channel	5 GSa/s interleaved, 2.5 GSa/s per channel	5 GSa/s half channels, 2.5 GSa/s on all channels	8 GSa/s single channel, 4 GSa/s half channel (certain models), 2 GSa/s all channels	10 GSa/s single channel, 5 GSa/s half channel, 2.5 GSa/s all channels
<i>Channels</i>	2 or 4, + 16 MSO	2 or 4, +16 MSO	4 or 6 FlexChannel inputs	2 or 4, +16 MSO	4, +16 MSO	4, +16 MSO	2 or 4, +16 MSO	4, +16 MSO
<i>Max Memory Depth</i>	4Mpts half channels, 2Mpts all channels	10 Mpts all channels	31.25 Mpts all channels	80Mpts interleaved (half channel), 40 Mpts/ channel	200 Mpts interleaved (half channel), 100 Mpts/ channel	25 Mpts half channels, 12.5 Mpts all channels	Analog: 200 Mpts single channel, 100 Mpts half channel, 50 Mpts all channels Digital: 25 Mpts all channels	Analog: 500 Mpts single channel, 250 Mpts half channel, 125 Mpts all channels Digital: 62.5 Mpts all channels
<i>Update Rate</i>	> 1,000,000 wvfm/s	>60,000 wvfm/s (>280,000 wvfm/s (FastAcq))	>120 wvfm/s (>500,000 wvfm/s (FastAcq))	64,000 wvfm/s standard, 2M in fast segmented memory mode	64,000 wvfm/s standard, 2M in fast segmented memory mode	170,000 wfms/sec	>500,000 wfms/s	>600,000 wfms/s
<i>Display</i>	8.5-inch, capacitive touch	11.6-inch capacitive touch	13.3-inch capacitive touch	10.1-inch capacitive touch	10.1-inch capacitive touch	12.1-inch capacitive touch	9-inch capacitive touch	10.1-inch capacitive touch

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Product	New! InfiniiVision 3000G	3 series MDO	4 Series MSO	RTA4000	RTM 3000	Wavesurfer 4000	MSO 5000	MSO 7000
Zone Touch Trigger	Yes	No	Yes	No	No	No	Yes	Yes
Waveform Histograms	Yes	No	No	No	No	No	Yes	Yes
Measurement Histograms	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
Built-in Waveform Generator	Yes	Option	Option	Option	Option	No	No	No
I2C, SPI, UART, I2S, and USB PD Trigger and Decode	Yes	Option	Option	Option	Option	Option	Option	Option
Mask Limit Testing	Yes	No	Option	Yes	Yes	No	Yes	Yes
Measurement Limit Testing	Yes	No	No	No	No	No	No	No
Frequency Response Analysis (Bode Plots)	Yes	No	No	Option	Option	No	No	No
Enhanced HDTV Video Analysis	Yes	No	No	No	No	No	No	No
LAN/VGA Connectivity Module	Yes	LAN, USB	LAN, USB, HDMI	LAN, USB	LAN, USB	USB, HDMI	Yes	Yes