The InfiniiVision 3000G X-Series Oscilloscope: The fastest, best equipped, and most reliable scope solution

By choosing Keysight's InfiniiVision 3000G X-Series Oscilloscope, you know you are getting the fastest, best equipped, and most reliable scope solution on the market. With the industry leading waveform update-rate, more standard features than any competitor, and unmatched signal integrity, switching to the 3000G X-Series will give you what your old scope cannot.

The 3000G can capture and reveal random and infrequent signal problems faster than any scope on the market. Once an anomaly is revealed, InfiniiVision's exclusive Zone Trigger can be used to quickly isolate it. Need an embedded waveform generator, measurement limit testing, bode plots, or embedded serial decodes? Tektronics, Rohde & Schwarz, LeCroy, and Rigol do not offer these features standard, if at all. In fact, no Keysight competitors in the 500 MHz to 1 GHz space offer all 8 new analysis features that are standard on the 3000G.

Benefits of the Keysight InfiniiVision 3000G X-Series Oscilloscope over the Competition

FASTER

Capture infrequent and random anomalies faster than any competitor scope:

✓ Industry leading waveform update rate at >1,000,000 waveforms per second

✓ 5 GSa/s sample rate on half channels

✓ 200,000 triggers/sec visual trigger update rate

✓ Hardware-based decode

MOST EQUIPPED

Extend your analysis toolkit—with the best new features STANDARD:

✓ Waveform and measurement histograms

✓ Built-in waveform generator

✓ I2C, SPI, UART, I2S, and USB PD trigger & decode

✓ Mask limit testing

✓ Measurement limit testing

✓ Frequency response analysis (Bode plots)

✓ Enhanced HDTV video analysis

✓ LAN/VGA connectivity module

MORE RELIABLE

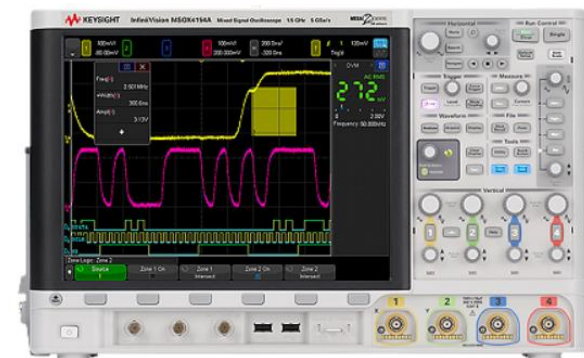**Get the confidence you need in your equipment by choosing the #1 company in scopes:**

✓ Expert support you need with Keysight Care

✓ 3-year warranty and 2-year calibration period

✓ Join the Keysight family– wide breadth of portfolio offerings across all domains to fill any test and measurement need

Specific Comparisons: InfiniiVision 3000G vs. Tektronix, Rhode, LeCroy and Rigol

Where the InfiniiVision 3000G X-Series Wins								
STANDARD Features	Keysight	Tektronix			Rohde		LeCroy	Rigol	
	3000G	MDO 3000	3 Series MDO	4 Series MSO	RTA 4000	RTM 3000	WaveSurfer 4000 HD	MSO 5000	MSO 7000
>1,000,000 wfm/s update rate	✔	✘	✘	✘	✘	✘	✘	✘	✘
Embedded serial decode (I^{2}C, SPI, UART)	✔	◯	◯	◯	◯	◯	◯	◯	◯
AWG (WaveGen)	✔	✘	✘	◯	◯	◯	✘	✘	✘
Frequency response analysis (bode plots)	✔	✘	✘	✘	✘	✘	✘	✘	✘
Mask limit test	✔	◯	✘	◯	✔	✔	✘	✔	✔
Measurement limit test	✔	✘	✘	✘	✘	✘	✘	✘	✘
Waveform histograms	✔	✘	✘	✘	✘	✘	✘	✔	✔
Measurement histograms	✔	✘	✘	✔	✔	✔	✔	✔	✔

Looking for a larger screen or higher bandwidth? Check out the Keysight InfiniiVision 4000 X-Series Oscilloscope!

Have you thought of more? Let us know!

✔ = Standard   ◯ = Option   ✘ = Not Available