HD3 Series Oscilloscope

4x the resolution, half the noise

The InfiniiVision HD3 Series oscilloscope enables you to capture small signals more accurately than ever before with its low noise front-end and the world's first 14-bit ADC in an oscilloscope. This offers you 4x more vertical resolution relative to other 12-bit oscilloscopes. Combine this with the industry's only uncompromised waveform update rate, powerful new features such as Fault Hunter, deep memory, and hardware accelerated testing, and the HD3 Series is the perfect oscilloscope for your applications.

	HD302MSO			HD304MSO		
Standard Bandwidth	200 MHz			200 MHz		
Bandwidth Options	HD302MSO-350 350 MHz	HD302MSO-500 500 MHz	HD302MSO-01G 1 GHz	HD304MSO-350 350 MHz	HD304MSO-500 500 MHz	HD304MSO-01G 1 GHz
Analog Channels	2			4		
Digital Channels	16					
Vertical Resolution	14 bits (up to 16 bits in high-resolution acquisition mode)					
Memory	Standard 20 Mpts/channel		HD3MEM-050 50 Mpts/channel		HD3MEM-100 100 Mpts/channel	
Maximum Sample Rate	3.2 GSa/s per channel					
Maximum Waveform Update Rate	> 1,300,000 waveforms/sec					
Dimensions (W x H x D)	33.5 cm (13.2 in) x 26.2 cm (10.3 in) x 16.8 cm (6.6 in)					
Weight	5.25 kg (11.6 lbs)					
Localized Overlay	English, Chinese (simplified), Chinese (traditional), French, German, Italian, Japanese, Korean					

Option	Description
HD3WAVEGEN	100 MHz WaveGen
HD3SECURE	Enhanced security
HD3EMBA	Embedded software package
HD3AUTA	Automotive software package
HD3COVER	Front panel cover
HD3CASE	Soft carrying case
HD3RACK	Rack mount kit

KEYSIGHT

More Information: www.keysight.com/find/HD3

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Portable Precision

- Analyze the smallest signals in your design with the highest degree of accuracy
- Highest resolution in the industry (ADC and ENOB)
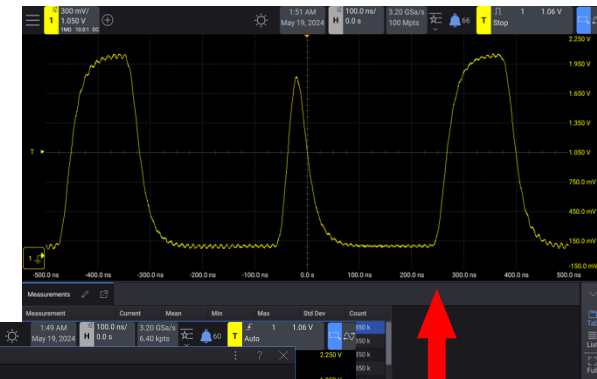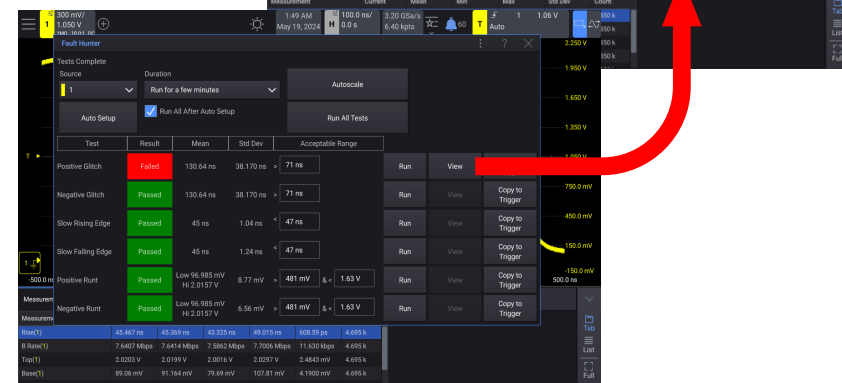- Lowest noise front-end in class

Custom Technology

- Custom components optimized for oscilloscope measurements
- New deep memory architecture
- Analyze and debug faster with hardware-based zone triggering, serial, mask, and more
- Industry-first automatic debug software – Fault Hunter

Versatile Functionality

- Dive deeper with more flexibility in the user interface (split grids, custom thresholds, bandwidth limiting options, and more)
- Immediate license upgrade – no return to factory
- From power integrity to medical imaging to general debugging, the HD3 provides the highest accuracy for your most challenging measurements

Utilize the full ADC and vertical resolution for every channel with split grids. Split FFT and math functions onto separate grids as well, letting you easily view and analyze your signals.

Fault Hunter is the industry's only automatic debug tool, enabling you to easily analyze glitches, slow edges, runts and more while you do other work. Debugging has never been easier.

KEYSIGHT