Product Datasheet - Technical Specifications

More information in our Web-Shop at ▶ **www.meilhaus.com**

Your contact

Technical and commercial sales, price information, quotations, demo/test equipment, consulting:

Tel.: **+49 - (0)81 41 - 52 71-0**

E-Mail: **sales@meilhaus.com**

www.meilhaus.com

HD3 Series Oscilloscope

4x the resolution, half the noise

The InfiniiVision HD3 Series oscilloscope enables you to capture small signals more accurately with its low noise front-end and 14-bit ADC. This offers you 4x more vertical resolution relative to other 12-bit oscilloscopes. Combine this with the 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.

Option	Description
HD3WAVEGEN	100 MHz WaveGen
HD3SECURE	Enhanced security
HD300EMBA	Embedded software package
HD300AUTA	Automotive software package
HD3COVER	Front panel cover
HD3CASE	Soft carrying case
HD3RACK	Rack mount kit

	HD302MSO			HD304MSO		
Standard Bandwidth	200 MHz			200 MHz		
Bandwidth Options	HD302MSO-350	HD302MSO-500	HD302MSO-01G	HD304MSO-350	HD304MSO-500	HD304MSO-01G
	350 MHz	500 MHz	1 GHz	350 MHz	500 MHz	1 GHz
Analog Channels	2			4		
Digital Channels	16					
Vertical Resolution	14 bits (up to 16 bits in high-resolution acquisition mode)					
Memory	Standard		HD3MEM-050		HD3MEM-100	
	20 Mpts/channel		50 Mpts/channel		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					

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

KEYSIGHT

4x the resolution, half the noise

Portable Precision

- Analyze the smallest signals in your design with extreme accuracy
- High vertical resolution (ADC and ENOB)
- Low noise front-end

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
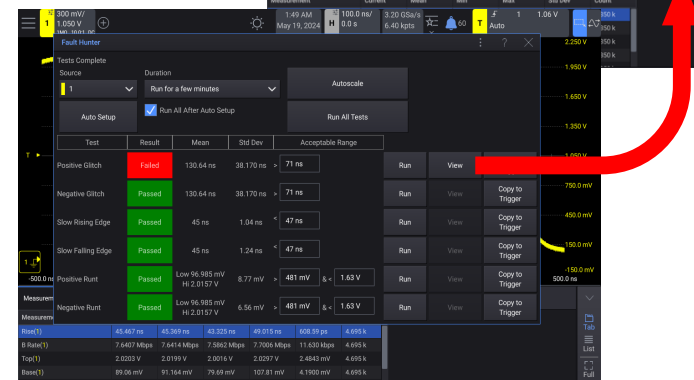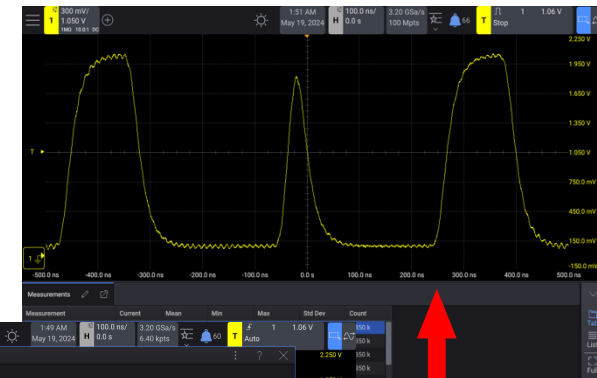- Automatic debug software – Fault Hunter

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 an 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 enables innovators to push the boundaries of engineering by quickly solving design, emulation, and test challenges to create the best product experiences. Start your innovation journey at www.keysight.com.

This information is subject to change without notice. © Keysight Technologies, 2018 – 2024, Published in USA

KEYSIGHT