

UNRIVALED PERFORMANCE, UNBEATABLE VALUE



Highest Resolution HD4096 technology, 12 bits all the time

TELEDYNE LECROY Everywhereyoulook[™]

More Capability than you imagined

Comprehensive Probe Support Over 30 probes in 9 categories





Unrivaled Performance, Unbeatable Value

WaveSurfer 4000HD extends Teledyne LeCroy's leadership
in High Definition Oscilloscopes with a bright,
12.1" touch screen display, performance without
compromise, and price points that fit your budget.

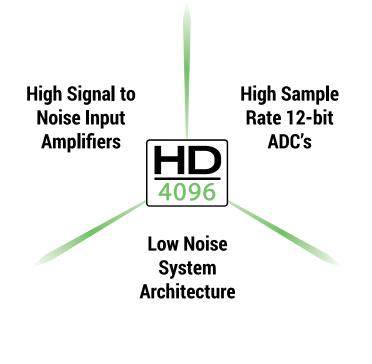
12 bits all the time.





WaveSurfer 4000HD

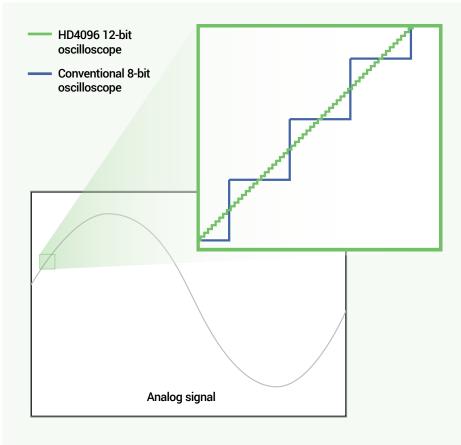
HD4096 TECHNOLOGY - 12 BITS ALL THE TIME



Teledyne LeCroy high definition 12-bit oscilloscopes use unique HD4096 technology to provide superior and uncompromised measurement performance:

- 12-bit ADCs with high sample rates
- High signal-to-noise amplifiers
- Low noise system architecture (to 1 GHz)

Oscilloscopes with HD4096 technology have higher resolution than conventional 8-bit oscilloscopes (4096 vs. 256 vertical levels) and low noise for uncompromised measurement performance. The 12-bit ADCs support capture of fast signals and oscilloscope bandwidth ratings up to 1 GHz, while 5 GS/s sample rate ensures the highest measurement accuracy and precision. The high performance input amplifiers deliver pristine signal fidelity, and the low-noise system architecture provides an ideal signal path to ensure that signal details are delivered accurately to the oscilloscope display – 16x closer to perfect.



16x Closer to Perfect

16x more resolution

HD4096 technology provides 12 bits of vertical resolution — 16x more resolution than conventional 8-bit oscilloscopes. The 4096 discrete vertical levels reduce the quantization error compared to 256 vertical levels. This improves the accuracy and precision of the signal capture and increases measurement confidence.

EXPERIENCE THE DIFFERENCE



Experience HD4096 accuracy, detail, and precision and never use an 8-bit oscilloscope again. Whether the application is general-purpose design and debug, high-precision analog sensors, power electronics, automotive electronics, mechatronics, or other specialized applications, the HD4096 technology provides unsurpassed confidence and measurement capabilities.

Clean, crisp waveforms

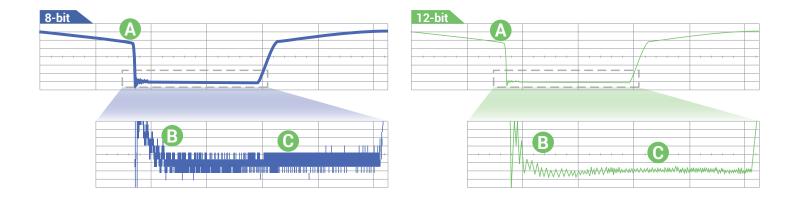
When compared to waveforms acquired and displayed using conventional 8-bit oscilloscopes, waveforms captured with HD4096 12-bit technology are dramatically crisper and cleaner, and are displayed more accurately. Once you see a waveform acquired with HD4096 technology, you will not want to go back to using a conventional 8-bit oscilloscope.

More signal details

16x more resolution provides more signal detail. This is especially helpful for analyzing wide dynamic range signals where very small amplitude signal details must be viewed. 12-bit acquisitions combined with the oscilloscope's vertical and horizontal zoom capabilities provide unparalleled insight into system behaviors and problems.

Unmatched measurement precision

HD4096 technology delivers measurement precision several times better than conventional 8-bit oscilloscopes. Higher oscilloscope measurement precision results in better ability to assess corner cases and design margins, perform root cause analysis, and create the best possible solution for any discovered design issue.



Clean, crisp waveforms | Thin traces show the actual waveform with minimal noise interference.

More signal details | Waveform details can now be clearly seen on an HD4096 12-bit oscilloscope.

Unmatched measurement precision | Measurements are more precise and not affected by quantization noise.

MORE CAPABILITY THAN YOU IMAGINED





Protocol Analysis with Serial Trigger and Decode

- Intuitive, color-coded overlays make it easy to understand serial data information
- Powerful, conditional data triggering capabilities
- Interactive decode table summarizes results of two different protocol decodes
- Touch a row in the table to automatically zoom and display the selected packet
- Search and conditional filtering

Index	Time	 Protocol 	Message	Data	CRC	Status 🚽
▶ 11	323.943 µs	SSPI	0x43	0x43		
▶ 12	419.72 µs	UART	254	0xfe		
▶ 13	422.595 µs	SSPI	0x72	0x72		-
▶ 14	521.247 µs	SSPI	0x6f	0x6f		
▶ 15	529.70 µs	UART	254	0xfe		

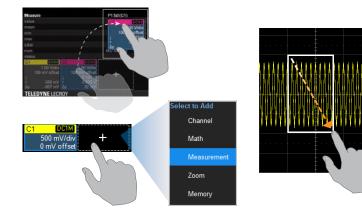


Logic Analysis with 16-channel Mixed Signal Capability

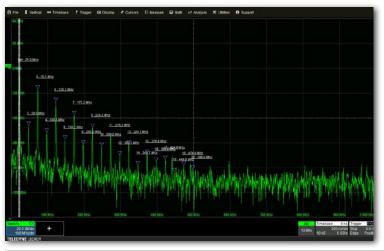
- Simultaneously view, measure, and analyze 4 analog and 16 digital channels
- Dedicated digital logic port does not consume analog channels
- Analog and digital channels can be incorporated into a single pattern trigger
- Find anomalies in digital waveforms using WaveScan, trends, statistics, and histicons

MAUI with OneTouch

- Most unique touch screen features on any oscilloscope
- Drag-and-drop to dramatically reduce setup time
- All common operations can be performed with one touch

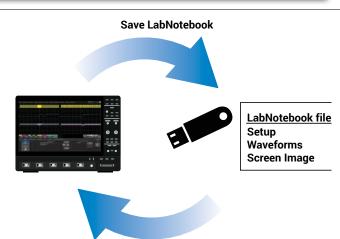












Spectrum Analyzer

- Spectrum analyzer style controls
- Automatically identify and mark peak frequencies, fundamental frequencies, and harmonics
- Easily make measurements with reference and delta markers

Built-in Waveform Generator

- Frequencies of up to 25 MHz
- Wide variety of waveform sources available
- Saved waveforms can be uploaded to oscilloscope to generate arbitrary waveforms

DVM and Frequency Counter

- 4-digit digital voltmeter, 5-digit frequency counter
- Works with any channel; measurements update even when system is not triggering
- Set voltage readings to DC, DC RMS, or AC RMS

The DVM license key can be downloaded at no charge from *teledynelecroy.com/ws4000hd/redeemdvm*

LabNotebook

- Store all setups, waveforms, and screen image in a single LabNotebook file
- Add descriptive notes to LabNotebooks, or mark up screen images
- Recall ("Flashback") LabNotebooks to restore oscilloscope to past state—including all setups, waveforms, and table data
- Extract component files from .LNB format files, or append other files to .LNB

To learn more about the capabilities of the WaveSurfer 4000HD, see the Oscilloscope Features, Options, and Accessories catalog <u>cdn.teledynelecroy.com/files/pdf/scope-options-accessories-catalog-wavesurfer.pdf</u>

COMPREHENSIVE PROBE SUPPORT





Active Power Rail Probe



RP4030

- Large (30 V) built-in offset, low noise
- Perfect for low impedance power rails
- Solder-in & U.FL connections

Active Voltage Probes

Current Probes



ZS1000, ZS1000-QUADPAK ZS1500, ZS1500-QUADPAK

- Low 0.9 pF input capacitance
- High input impedance (1 M Ω)
- Low cost



CP030, CP030-3M, CP030A CP031, CP031A CP150, CP150-6M CP500, DCS025

- Peak currents up to 700 A
- Sensitivities to 1 mA/div
- Bandwidth up to 100 MHz



Differential Probes



ZD1500, ZD1000, ZD500, ZD200 AP033

- High CMRR, high bandwidth, low noise
- 1 pF capacitance, wide dynamic range
- Series/shunt voltage measurement

High Voltage Differential Probes



HVD3102A, HVD3106A (1 kV) HVD3206A (2 kV) HVD3605A (6 kV)

- 1, 2, or 6 kV common-mode ratings
- Excellent CMRR (65 dB at 1 MHz)
- 1% gain accuracy

Passive Probes

High Voltage Passive Probes



HVP120 PPE4KV, PPE5KV, PPE6KV

• 1 kV to 6 kV ratings

Probe Adapters

- Safe and easy probing accessories
- Sense pin for automatic scaling

High Voltage Fiber Optically-isolated Probes



HVF0103

- 35 kV common-mode rating
- Highest possible CMRR (140 dB)
- Ideal for gate-drive measurements



PP019, PP026

- Rated for 500 V
- Sense pin for automatic scaling
- High input impedance of 10 MΩ

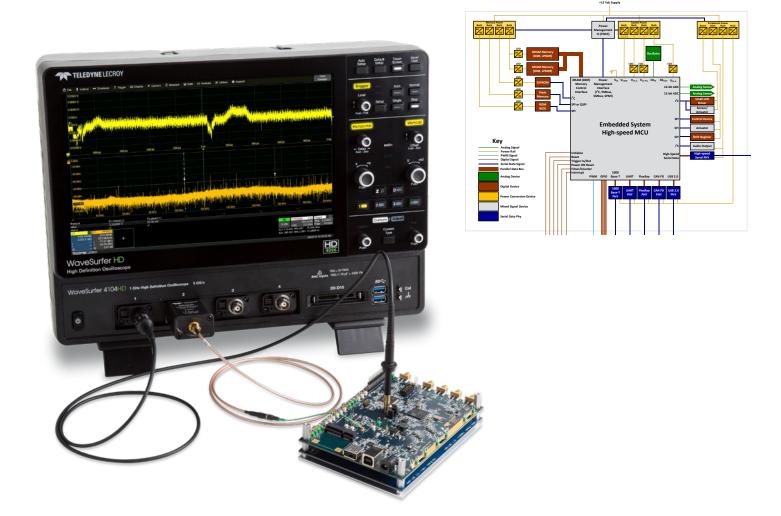


TPA10

- Supports TekProbe interface level II
- Configure power and offset control
- Supports wide variety of Tek probes

BEST EMBEDDED SYSTEM DEBUG



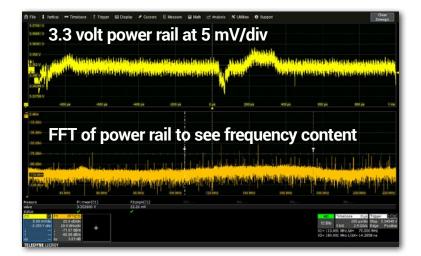




Clock Analysis

- Capture long records to build statistics faster
- All-instance measurements measure every clock edge in any acquisition length
- Trend values over time
- Histicons show statistical distribution









Power Rail Analysis

- 12-bit resolution and low noise clearly shows small signal details in power rails
- FFT or Spectrum Analyzer determines root cause of high noise events
- Built-in high offset capability permits native probing of power rails

Protocol Analysis

- Trigger on protocol elements or specific DATA patterns using powerful conditional DATA triggering
- Highly adaptable ERROR frame triggering isolates protocol errors
- Combine UART/SPI bytes into single "message frame" to trigger on proprietary protocols
- Use Search and Zoom to correlate protocol events to other embedded signals

Power Analysis

- Measure and analyze operating characteristics of power conversion circuits
- Identify turn-on and turn-off transitions using color-coded overlays
- Automatically calculate switching device measurements
- Measure input/output power and input harmonics

WAVESURFER 4000HD AT A GLANCE





Key Attributes

- 1. 12.1" 1280 x 800 capacitive touch screen display
- 2. Buttons/indicators color-coded to associated waveform on display
- **3.** MAUI with OneTouch user interface for intuitive and efficient operation
- 4. HD4096 Technology 12 bits all the time
- 5. Use cursors and adjust settings without opening a menu

- 6. ProBus input supports over 30 probes in 9 product categories
- 7. Mixed Signal capability with 16 channel dedicated digital logic port
- 8. USB 3.1 ports for easy connectivity
- 9. WaveSource Arbitrary Waveform Generator
- **10.** HDMI output
- 11. USBTMC over USB 2.0 for data offload



SPECIFICATIONS



Vertical Angles Channels	WaveSurfer 4024HD	WaveSurfer 4034HD	WaveSurfer 4054HD	WaveSurfer 4104HD	
Vertical - Analog Channels Analog Bandwidth ($@ 50 \Omega$ (-3 dB)	200 MHz	350 MHz		1 GHz	
Rise Time (10–90%)	1.75 ns	1 ns	500 MHz 700 ps	450 ps	
Input Channels	4 1.75 IIS 11IS 100 ps 450 ps				
Vertical Resolution	12 bits				
Effective Number of Bits (ENOB)	8.7	8.6	8.5	8.3	
Vertical Noise Floor (rms, 50 Ω)	0.1	8.0	0.0	0.5	
1 mV/div	65 µV	70 µV	90 µV	125 µV	
2 mV/div	65 μV	70 μV 70 μV	90 µV 90 µV	125 µV	
5 mV/div	65 μV	70 μV 70 μV	90 µV 90 µV	125 μV 125 μV	
10 mV/div	70 μV	75 μV	90 µV 95 µV	130 µV	
20 mV/div	95 μV	95 µV	<u>95 μν</u> 115 μV	160 μV	
50 mV/div	160 μV	175 µV	210 µV	280 µV	
	270 μV	290 µV	350 μV	465 μV	
200 mV/div	960 μV	925 µV	1.10 mV	1.65 mV	
500 mV/div	1.60 mV	1.75 mV	2.10 mV	2.75 mV	
1 V/div	2.70 mV	2.90 mV	3.50 mV	4.70 mV	
Sensitivity				4.70111	
DC Vertical Gain Accuracy (Gain Component of DC Accuracy)	50 Ω: 1 mV−1 V/div, fully variable; 1 M Ω: 1 mV−10 V/div, fully variable ±0.5% FS, offset at 0 V				
Channel-Channel Isolation	60 dB	60 dB up to 200 MHz 50 dB up to 350 MHz	60 dB up to 200 MHz 50 dB up to 500 MHz	60 dB up to 200 MHz 50 dB up to 500 MHz 40 dB up to 1 GHz	
Offset Range	50 Ω: 1 mV to 4.95 mV: ±1.6 V; 5 mV to 9.9 mV: ±4 V; 10 mV to 19.8 mV: ±8 V; 20 mV to 1 V: ±10 V 1 M Ω: 1 mV to 4.95 mV: ±1.6 V; 5 mV to 9.9 mV: ±4 V; 10 mV to 19.8 mV: ±8 V; 20 mV to 1 V: ±10 V 102 mV to 198 mV: ±80 V; 200 mV to 1 V: ±160 V; 1.02 V to 10 V: ±400 V				
DC Vertical Offset Accuracy Maximum Input Voltage	\pm (1.0% of offset setting + 0.5% FS + 0.02% of max offset + 1 mV) 50 Ω: 5 Vrms, 1 MΩ: 400 V max (DC + Peak AC ≤ 10 kHz)				
Input Coupling	1 MΩ: AC, DC, GND; 50 Ω: DC				
Input Impedance	50 Ω: ±2.0%; 1 MΩ: ±2.0% 15 pF				
Bandwidth Limiters	20 MHz 20 MHz, 200 MHz 20 MHz, 200 MHz 20 MHz, 200 MHz				
Rescaling	escaling Electrical: Volts, Amps				
Horizontal - Analog Channels					
Acquisition Modes	Pool time Poll Average Seg	Jones (Sagmented Memory)	ιp to 1000 segments with 1 μ		
Timebases			ip to 1000 segments with 1 p		
Time/Division Range	Internal timebase common to 4 input channels 500 ps/div to 100 s/div				
Clock Accuracy	±2.5 ppm + 1.0 ppm/year fro	m calibration			
CIOCK Accuracy					
Acquisition - Analog Channels					
Sample Rate (Single-Shot)	2.5 GS/s on 4 Ch, 5 GS/s on 2	2 Ch			
Standard Memory (4 Ch / 2 Ch)	12.5 Mpts / 25 Mpts				
Averaging					
Vertical, Horizontal, Acquisition		ID-MSO option only)			
Input Channels	16 Digital Channels				
Threshold Groupings	Pod 2: D15 to D8, Pod 1: D7 to				
Threshold Selections	TTL (+1.4 V), 5 V CMOS (+2.5 \	/), ECL (-1.3 V) or User Defined			
Maximum Input Voltage	±30 V Peak				
Threshold Accuracy	±(3% of threshold setting + 10)	0 mV)			
Input Dynamic Range	±20 V				
Minimum Input Voltage Swing	500 mVpp				
Input Impedance (Flying Leads)	100 kΩ 5 pF				
Maximum Input Frequency	125 MHz				
Sample Rate	500 MS/s				
Record Length	12.5 Mpts - 16 Channels				
Minimum Detectable Pulse Width	4 ns				
Channel-to-Channel Skew	±(1 digital sample interval)				
User-defined Threshold Range	±10 V in 20 mV steps				

SPECIFICATIONS



WaveSurfer 4024HD WaveSurfer 4034HD WaveSurfer 4054HD WaveSurfer 4104HD

Triggering System					
Modes	Normal, Auto, Single, and Stop				
Sources	Any input channel, Ext, Ext/5, or Line; slope and level unique to each source (except Line trigger)				
Coupling	DC, AC, HFRej, LFRej				
Hold-off	From 10 ns up to 20 s or from 1 to 100,000,000 events				
Pre-trigger Delay	0 to 100% of full scale				
Post-trigger Delay	0 to 10,000 divisions				
Internal Trigger Level Range	±4.1 div from center (typical)				
External Trigger Level Range	Ext (±0.610 mV); Ext/5 (±3.05 V)				
Maximum Trigger Rate	175,000 waveforms/second				
Trigger Sensitivity with Edge Trigger (Ch 1–4) Trigger Types	0.9 division @ 10 MHz 1.0 division @ 10 MHz Edge, Width, Logic (Pattern), TV (NTSC, PAL, SECAM, HDTV - 720p, 1080i, 1080p), Runt, Slew Rate,				
	Interval (Signal or Pattern), Dropout, Qualified (State or Edge). External input supports Edge trigger only.				
Low Speed Serial Protocol Trigg	ering (Optional) I2C, SPI (SPI, SSPI, SIOP), UART-RS232, CAN1.1, CAN2.0, CAN FD, LIN, FlexRay				
Measure, Zoom, and Math Tools					
Measurement Parameters	Up to 6 parameters can be calculated at one time on any waveforms, selected from the following list of measurements: Amplitude, Area, Base, Delay, Duty Cycle, Fall Time (90%–10%), Fall Time (80%–20%), Frequency, Maximum, Mean, Minimum, Overshoot+, Overshoot-, Peak-Peak, Period, Phase, Rise Time (10%–90%), Rise Time (20%–80%), RMS, Skew, Standard Deviation, Top, Width+, Width Statistics and histicons can be added to measurements. Measurements can be gated.				
Zooming	Use front panel QuickZoom button, or Rectangle-Zoom using touch screen or mouse.				
Math Functions	Up to 2 math functions can be calculated at one time on any waveforms, selected from the following list of operations: Sum, Difference, Product, Ratio, Absolute Value, Average, Derivative, Enhanced Resolution, Envelope, Floor, Integral, Invert, Reciprocal, Rescale, Roof, SinX/x, Square, Square Root, Trend, Zoom and FFT (with Power Spectrum output; Rectangular, VonHann and FlatTop windows).				
Display System					
Size	12.1" widescreen capacitive touch screen				
Resolution	1280 x 800 pixels				
Probes					
Standard Probes	PP019 (5 mm), PP026 (5 mm), 1 per channel 1 per channel				
Probing System	BNC and Teledyne LeCroy ProBus for active voltage, current, and differential probes				
Connectivity					
Ethernet Port	1 x 10/100BaseT Ethernet interface (RJ45 port)				
Removable Storage	1 Micro SD port, 16 GB Micro SD card installed standard				
USB Host Ports	2 front USB 3.1 Gen1 ports, 2 back USB 2.0 ports				
USB Device Port	1 USBTMC over USB 2.0 port				
External Monitor Port	1 HDMI port, supports up to 1280 x 800 pixels				
Remote Control	Microsoft COM Automation or LeCroy Remote Command Set				
Network Communication Standard	VICP or VXI-11, LXI compatible				
Power Requirements					
Voltage	100 to 240 VAC ±10% @ 50 to 60 Hz ±10%; 100 to 120 VAC ±10% @ 400 Hz ±5%; automatic AC voltage selection				
Nominal Power Consumption	90 W / 90 VA				
Max Power Consumption	150 W / 150 VA				
Environmental					
Temperature	Operating: 0 °C to +50 °C; Non-operating: –30 °C to +70 °C				
Humidity	Operating: 5% to 90% RH (non-condensing) at ≤30 °C, upper limit derates to 50% RH (non-condensing) at +50 °C; Non-operating: 5% to 95% relative humidity (non-condensing) as tested per MIL-PRF-28800F				
Altitude	Operating: 3,048 m (10,000 ft) max at ≤ 25 °C; Non-operating: up to 12,192 meters (40,000 ft)				
Size and Weight					
Dimensions (HWD)	10.7" H x 14.9" W x 6.3" D (273 mm x 380 mm x 160 mm)				
Weight	11.7 lbs (5.3 kg)				
Certifications					
CE Certification	CE compliant, UL and cUL listed; conforms to UL 61010-1 (3rd Edition), UL 61010-2-030 (1st Edition), and				
UL and cUL Listing	CAN/CSA C22.2 No. 61010-1-12				
Warranty and Service					
	3-year warranty; calibration recommended annually. Optional service programs include extended warranty, upgrades, and calibration services.				

SPECIFICATIONS



WaveSurfer 4024HD WaveSurfer 4034HD WaveSurfer 4054HD WaveSurfer 4104HD

Digital Voltmeter (Optional, available no charge at teledynelecroy.com/ws4000hd/redeemdvm)

Functions	ACrms, DC, DCrms, Frequency
Resolution	ACV/DCV: 4 digits, Frequency: 5 digits
Measurement Rate	100 times/second, measurements update on the display 5 times/second
Vertical Settings Autorange	Automatic adjustment of vertical settings to maximize the dynamic range of measurements

WaveSource Arbitrary Waveform Generator (WS4KHD-FG option only)

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General	
Max Frequency	25 MHz
Channels	1
Sample Rate	125 MS/s
Arbitrary Waveform Length	16 kpts
Frequency Resolution	1 µHz
Vertical Resolution	14 bits
Vertical Range	±3 V (HiZ); ±1.5 V (50 Ω)
Waveform Types	Sine, Square, Triangle, Pulse, DC, Noise, ARB, Exponential Fall, Exponential Rise, Ramp, Gaussian, Lorentz, Cardiac,
	Haversine

Frequency Specification

requency opecification	
Sine/Haversine	1 μHz - 25 MHz
Square/Pulse	1 μHz - 10 MHz
Ramp/Triangular	1 μHz - 300 KHz
Exponential Fall/Rise	1 μHz - 1 MHz
Gaussian, Lorentz, Cardiac	1 μHz - 5 MHz
Noise	25 MHz (-3 dB)
Resolution	1 μHz
Accuracy	±50 ppm, over temperature
Aging	±3 ppm/year, first year
Output Specification	
Amplitude	4 mVpp - 6 Vpp (HiZ); 2 mVpp - 3 Vpp (50 Ω)
Vertical Accuracy	±(0.3 dB + 1 mV)
Amplitude Flatness	±0.5 dB
DC Offset	
Range (DC)	±3 V (HiZ); ±1.5 V (50 Ω)
Offset Accuracy	±(1% of offset value + 3 mV)
onoccriocardoy	
Waveform Output	
Impedance	50 Ω ±2%
Protection	Short-circuit protection
Sine Spectrum Purity	
SFDR (Non Harmonic) @1.265 Vpp	
DC-1 MHz	-60 dBc
1 MHz - 5 MHz	-55 dBc
5 MHz - 25 MHz	-50 dBc
Harmonic Distortion @1.265 Vpp	
DC - 5 MHz	-50 dBc
5 MHz - 25 MHz	-45 dBc
Square/Pulse	
Rise/Fall time	24 ns (10% - 90%)
Overshoot	3% (typical - 1 kHz, 1 Vpp)
Pulse Width	50 ns minimum
Jitter	500 ps + 10 ppm of period (RMS cycle to cycle)
Ramp/Triangle	
Linearity	0.1% of Peak value output (typical - 1 kHz, 1 Vpp, 100% symmetric)
Symmetry	0% to 100%
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ORDERING INFORMATION

Product Description	Product Code
WaveSurfer 4000HD Oscilloscopes	
200 MHz, 2.5 GS/s, 4 Ch, 12.5 Mpts/Ch	WaveSurfer 4024HD
High Definition Oscilloscope	
with 12.1" capacitive touch screen	
350 MHz, 2.5 GS/s, 4 Ch, 12.5 Mpts/Ch	WaveSurfer 4034HD
High Definition Oscilloscope	
with 12.1" capacitive touch screen	
500 MHz, 2.5 GS/s, 4 Ch, 12.5 Mpts/Ch	WaveSurfer 4054HD
High Definition Oscilloscope with 12.1" capacitive touch screen	
1 GHz, 2.5 GS/s, 4 Ch, 12.5 Mpts/Ch	WaveSurfer 4104HD
High Definition Oscilloscope	
with 12.1" capacitive touch screen	
with 12.1 capacitive touch screen	
Included with Standard Configurations	
÷10 passive probes (Qty. 4), Micro SD card (insta	lled) Micro SD card
adapter, protective cover, Getting Started Guide, o	
traceable calibration with certificate, power cable	
country, 3-year warranty	
5. 5	
Multi-Instrument Options	
Mixed-Signal Oscilloscope (incl. 16-channel digita	al WS4KHD-MS0
leadset, 22 extra large gripper probes, 20 ground	
extenders, 5 flexible ground leads and license)	
MSO License (without accessories)	WS4KHD-MSO-LICENSE
Spectrum Analyzer (2020 release)	
WaveSource Arbitrary Waveform Generator	WS4KHD-FG
Carial Trianay and Decede Ontions	
Serial Trigger and Decode Options AudioBus Trigger and Decode	WS4KHD-AUDIOBUS TD
Automotive Bundle: CAN, CAN FD, LIN,	WS4KHD-AUDIOBUS TD WS4KHD-AUTO TD
FlexRay Trigger and Decode	W34KHD-AUTUTD
Embedded Bundle: I2C, SPI, UART-RS232	WS4KHD-EMB TD
Trigger and Decode	W34RID LIVID ID
Power Analysis Options	
Power Analysis	WS4KHD-PWB
General Accessories	
Softcase	WS4KHD-SOFTCASE
Rackmount Kit	WS4KHD-RACK

Bandwidth upgrades can be made at any time. Contact your local Teledyne LeCroy sales office.

Product Description

Probes250 MHz Passive Probe – 5 mm, 10:1, 10 MΩPP019500 MHz Passive Probe – 5 mm, 10:1, 10 MΩPP026Power/Voltage Rail Probe with 4 GHz bandwidth,RP40301.2x attenuation, ±30 V offset, ±800 mVRP4030 Browser Tip AccessoryRP4030 Browser Tip AccessoryRP4000-BROWSER30 A, 50 MHz Current Probe –CP030-AC/DC, 30 Arms, 50 A peak pulse, 1-5-meter cable30 A, 10 MHz Current Probe –CP030-AMAC/DC, 30 Arms, 50 A peak pulse, 1-5-meter cableCP030-3M30 A, 10 MHz Current Probe –CP030-AAC/DC, 30 Arms, 50 A peak pulse, 1-5-meter cableCP031AAC/DC, 30 Arms, 50 A peak pulse, 1-5-meter cableCP031AAC/DC, 30 Arms, 50 A peak pulse, 1-5-meter cableCP031AAC/DC, 30 Arms, 50 A peak pulse, 2-meter cableCP031AAC/DC, 150 Arms, 500 A peak pulse, 2-meter cableCP050A500 A, 2 MHz Current Probe –CP150AC/DC, 150 Arms, 500 A peak pulse, 6-meter cableC500A500 A, 2 MHz Current Probe –CP500AC/DC, 500 Arms, 700 A peak pulse, 6-meter cableDCS025700 V, 25 MHz High Voltage Differential ProbeHVD3102A-NOACCWithou Tip accessories)HVD3106A-NOACC1 kV, 25 MHz High Voltage Differential ProbeHVD3106A-NOACC1 kV, 26 MHz High Voltage Differential ProbeHVD3106A-NOACC1 kV, 20 MHz High Voltage Differential P	· · · · · · · · · · · · · · · · · · ·	
500 MHz Passive ProbePP0261 GHz 5 K& 100:1 Passive ProbePP065Power/Voltage Rail Probe with 4 GHz bandwidth,RP40301.2x attenuation, ±30 V offset, ±800 mVRP4030-BR0WSER30 A, 50 MHz Current Probe -CP030-3MAC/DC, 30 Arms, 50 A peak pulse, 1.5-meter cableCP030-3M30 A, 50 MHz Current Probe -CP030-3MAC/DC, 30 Arms, 50 A peak pulse, 1.5-meter cableCP030-AM30 A, 100 MHz Current Probe -CP030-AMAC/DC, 30 Arms, 50 A peak pulse, 1.5-meter cableCP031A30 A, 100 MHz Current Probe -CP031AAC/DC, 30 Arms, 50 A peak pulse, 1.5-meter cableCP031A30 A, 100 MHz Current Probe -CP031AAC/DC, 30 Arms, 50 A peak pulse, 1.5-meter cableCP031AAC/DC, 10 Arms, 500 A peak pulse, 2-meter cableCP150500 A, 2 MHz Current Probe -CP150AC/DC, 150 Arms, 500 A peak pulse, 6-meter cableCP030500 A, 2 MHz Current Probe -CP500AC/DC, 500 Arms, 700 A peak pulse, 6-meter cableDCS025700 V, 25 MHz High Voltage Differential ProbeHVD3102A-NOACCVitty 25 MHz High Voltage Differential ProbeHVD3102A-NOACCVitthuz High Voltage Differential ProbeHVD3106A-6MWith 6-meter CableHVD3106A-6MVitthuz High Voltage Differential ProbeHVD3106A-6MWith 6-meter CableHVD3106A-6MVitthuz High Voltage Differential ProbeHVD3106A-6MWith 6-meter CableHVD3106A-6MVitthuz High Voltage Differential ProbeHVD3106A-6MWith 6-meter Cable <t< th=""><th></th><th></th></t<>		
1 GHz 5 KQ 100:1 Passive ProbePP065Power/Voltage Rail Probe with 4 GHz bandwidth, 1.2x attenuation, ±30 V offset, ±800 mVRP4030 Browser Tip AccessoryRP4000-BROWSER 30 A, 50 MHz Current Probe – CP03030 A, 50 MHz Current Probe – AC/DC, 30 Arms, 50 A peak pulse, 1.5-meter cable30 A, 10 MHz Current Probe – AC/DC, 30 Arms, 50 A peak pulse, 1.5-meter cable30 A, 50 MHz Current Probe – AC/DC, 30 Arms, 50 A peak pulse, 1.5-meter cable30 A, 100 MHz High Sensitivity Current Probe – AC/DC, 30 Arms, 50 A peak pulse, 1.5-meter cable30 A, 100 MHz Current Probe – AC/DC, 30 Arms, 50 A peak pulse, 1.5-meter cable30 A, 100 MHz Current Probe – AC/DC, 30 Arms, 50 A peak pulse, 1.5-meter cable150 A, 100 MHz Current Probe – AC/DC, 150 Arms, 50 A peak pulse, 2-meter cable150 A, 100 HHz Current Probe – AC/DC, 150 Arms, 500 A peak pulse, 6-meter cable500 A, 2 MHz Current Probe – AC/DC, 150 Arms, 500 A peak pulse, 6-meter cable500 A, 2 MHz Current Probe – AC/DC, 150 Arms, 500 A peak pulse, 6-meter cable500 A, 2 MHz Current Probe – AC/DC, 150 Arms, 500 A peak pulse, 6-meter cable500 A, 2 MHz Current Probe – AC/DC, 150 Arms, 500 A peak pulse, 6-meter cable164 Z, 25 MHz High Voltage Differential Probe164 Z, 25 MHz High Voltage Differential Probe164 Z, 25 MHz High Voltage Differential Probe164 Z, 26 MHz High Voltage Differential Probe164 Z, 20 Arms, 500 A peak pulse, 6-meter cable164 Z, 20 MHz High Voltage Differential Probe164 Z, 20 MHz High Voltage Differential Probe164 Z, 20 MHz High Voltage Differential Probe164 Z, 20 MHz High Voltage Dif		PP019
Power/Voltage Rail Probe with 4 GHz bandwidth, RP4030 1.2x attenuation, ±30 V offset, ±800 mV RP4000-BROWSER I 30 A, 50 MHz Current Probe – CP030 AC/DC, 30 Arms, 50 A peak pulse, 1.5-meter cable C030A 30 A, 10 MHz Current Probe – CP030A AC/DC, 30 Arms, 50 A peak pulse, 1.5-meter cable CP030A 30 A, 10 MHz Current Probe – CP031A AC/DC, 30 Arms, 50 A peak pulse, 1.5-meter cable CP031A 30A, 10 MHz High Sensitivity Current Probe – CP031A AC/DC, 30 Arms, 50 A peak pulse, 1.5-meter cable CP150A 30A, 10 MHz Current Probe – CP150A AC/DC, 30 Arms, 500 A peak pulse, 2-meter cable CP150A 150 A, 10 MHz Current Probe – CP150A AC/DC, 150 Arms, 500 A peak pulse, 6-meter cable CP500 500 A, 2 MHz Current Probe – CP500 AC/DC, 500 Arms, 700 A peak pulse, 6-meter cable DCS025 700 V, 25 MHz High Voltage Differential Probe HVD3102A 1kV, 25 MHz High Voltage Differential Probe HVD3102A 1kV, 20 MHz High Voltage Differential Probe HVD3106A 1kV, 20 MHz High Voltage Differential Probe HVD3106A		
1.2x attenuation, ±30 V offset, ±800 mV RP4030 Browser Tip Accessory RP4000-BROWSER 30 A, 50 MHz Current Probe – CP030 30 A, 10 MHz Current Probe – CP030-3M AC/DC, 30 Arms, 50 A peak pulse, 1.5-meter cable 30 A, 50 MHz Ligh Sensitivity Current Probe – 30 A, 50 MHz High Sensitivity Current Probe – CP031A AC/DC, 30 Arms, 50 A peak pulse, 1.5-meter cable 30 A, 100 MHz Current Probe – 30A, 100 MHz Current Probe – CP031A AC/DC, 30 Arms, 50 A peak pulse, 1.5-meter cable 30A, 100 MHz Current Probe – 30A, 100 MHz Current Probe – CP150 AC/DC, 50 Arms, 500 A peak pulse, 1.5-meter cable CP150-6M AC/DC, 150 Arms, 500 A peak pulse, 6-meter cable CP500 AC/DC, 150 Arms, 500 A peak pulse, 6-meter cable DCS025 500 A, 2 MHz Current Probe – CP500 AC/DC, 500 Arms, 700 A peak pulse, 6-meter cable DCS025 700 V, 25 MHz High Voltage Differential Probe (+10, ÷100) AP031 1kV, 25 MHz High Voltage Differential Probe HVD3102A 1kV, 25 MHz High Voltage Differential Probe HVD3106A 1kV, 120 MHz High Voltage Differential Probe HVD3106A-6M with 6-meter Cable IV 110 Accessory HVF0100-1X-		
$\begin{array}{llllllllllllllllllllllllllllllllllll$	Power/Voltage Rail Probe with 4 GHz bandwidth, <u>1.2x attenuation, ±30 V offset, ±800 mV</u>	RP4030
AC/DC, 30 Arms, 50 A peak pulse, 1.5-meter cableCP030-3M30 A, 10 MHz Current Probe -CP030AAC/DC, 30 Arms, 50 A peak pulse, 3-meter cable30 A, 100 MHz Current Probe -30 A, 100 MHz Current ProbeCP031AAC/DC, 30 Arms, 50 A peak pulse, 1.5-meter cable30 A, 100 MHz Current Probe -30 A, 100 MHz Current Probe -CP031AAC/DC, 30 Arms, 50 A peak pulse, 1.5-meter cable30 A, 100 MHz Current Probe -30 A, 100 MHz Current Probe -CP150AC/DC, 30 Arms, 500 A peak pulse, 2-meter cableCP150150 A, 5 MHz Current Probe -CP150-6MAC/DC, 150 Arms, 500 A peak pulse, 6-meter cableCP500500 A, 2 MHz Current Probe -CP500AC/DC, 500 Arms, 700 A peak pulse, 6-meter cableCP500500 A, 2 MHz Current Probe -CP500AC/DC, 500 Arms, 700 A peak pulse, 6-meter cableDCS025700 V, 25 MHz High Voltage Differential ProbeHVD3102A1 kV, 25 MHz High Voltage Differential ProbeHVD3102A1 kV, 25 MHz High Voltage Differential ProbeHVD3106A1 kV, 120 MHz High Voltage Differential ProbeHVD3106A-fMwith 6-meter CableHVD3106A-fM1 kV, 120 MHz High Voltage Differential ProbeHVD3106A-fM1 kV, 120 MHz		RP4000-BROWSER
AC/DC, 30 Arms, 50 A peak pulse, 3-meter cable OP(DC, 30 Arms, 50 A peak pulse, 1.5-meter cable 30 A, 50 MHz High Sensitivity Current Probe – CP031 AC/DC, 30 Arms, 50 A peak pulse, 1.5-meter cable OP(DC, 30 Arms, 50 A peak pulse, 1.5-meter cable 30A, 100 MHz High Sensitivity Current Probe – CP031A AC/DC, 30 Arms, 50 A peak pulse, 1.5-meter cable CP150 150 A, 10 MHz Current Probe – CP150 AC/DC, 150 Arms, 500 A peak pulse, 6-meter cable CP150-6M AC/DC, 150 Arms, 500 A peak pulse, 6-meter cable CP500 AC/DC, 500 Arms, 700 A peak pulse, 6-meter cable CP500 AC/DC, 500 Arms, 700 A peak pulse, 6-meter cable DCS025 700 V, 25 MHz High Voltage Differential Probe HVD3102A-NOACC (without tip accessories) HVD3102A-NOACC 1kV, 120 MHz High Voltage Differential Probe HVD3106A-6M 1kV, 120 MHz High Voltage Differential Probe HVD3106A-6M with 6-meter Cable HVD3106A-NOACC 1kV, 120 MHz High Voltage Differential Probe HVD3106A-NOACC Without tip accessories) HVD3106A-NOACC 2 kV, 120 MHz High Voltage Differential Probe HVD3106A-NOACC Without tip accessories) HVF0100-10X-TIP-U 1 kV, 120 MHz H		CP030
$\begin{array}{llllllllllllllllllllllllllllllllllll$	30 A, 10 MHz Current Probe – AC/DC, 30 Arms, 50 A peak pulse, 3-meter cable	CP030-3M
$\begin{array}{llllllllllllllllllllllllllllllllllll$	30 A, 50 MHz High Sensitivity Current Probe –	CP030A
30A, 100 MHz High Sensitivity Current Probe – AC/DC, 30 Arms, 50 A peak pulse, 1.5-meter cableCP031A150 A, 10 MHz Current Probe – AC/DC, 150 Arms, 500 A peak pulse, 2-meter cableCP150150 A, 5 MHz Current Probe – AC/DC, 150 Arms, 500 A peak pulse, 6-meter cableCP150-6M500 A, 2 MHz Current Probe – CPC, 500 Arms, 700 A peak pulse, 6-meter cableCP500Deskew Calibration SourceDCS025700 V, 25 MHz High Voltage Differential Probe ($\div10, \pm100$)AP0311 kV, 25 MHz High Voltage Differential ProbeHVD3102A1 kV, 25 MHz High Voltage Differential ProbeHVD3102A-NOACC(without tip accessories)HVD3106A-6M1 kV, 120 MHz High Voltage Differential ProbeHVD3106A-6M1 kV, 120 MHz High Voltage Differential ProbeHVD3106A-6M1 kV, 120 MHz High Voltage Differential ProbeHVD3106A-6M1 kV, 120 MHz High Voltage Differential ProbeHVD3206A-6Mwith 6-meter CableHVD3206A-6M2 kV, 120 MHz High Voltage Differential ProbeHVD3206A-6Mwith 6-meter CableHVD3206A-6M1 kV, 100 MHz High Voltage Differential ProbeHVD3206A-6MWith 6-meter CableHVD3206A-6M1 hy Noltage Differential ProbeHVD3206A-6MWith 6-meter CableHVD3102A-NOACC1 kVF0100 Universal ±1 V Tip AccessoryHVF0100-1X-TIP-UHVF0100 Universal ±2 V Tip AccessoryHVF0100-1X-TIP-UHVF0100 Universal ±2 V Tip AccessoryHVF0100-2X-TIP-UHVF0100 Universal ±2 V Tip AccessoryHVF0100-2X-TIP-UHVF0100 Universal ±40 V Tip AccessoryHVF0100-2X-TIP-U </td <td>30 A, 100 MHz Current Probe –</td> <td>CP031</td>	30 A, 100 MHz Current Probe –	CP031
150 A, 10 MHz Current ProbeCP150AC/DC; 150 Arms; 500 A peak pulse, 2-meter cable150 A, 5 MHz Current ProbeCP150-6MAC/DC, 150 Arms, 500 A peak pulse, 6-meter cableCP500AC/DC, 500 Arms, 700 A peak pulse, 6-meter cableDCS025700 V, 25 MHz Ligh Voltage Differential Probe (\pm 10, \pm 100)AP0311 kV, 25 MHz High Voltage Differential ProbeHVD3102A1 kV, 25 MHz High Voltage Differential ProbeHVD3102A-NOACC(without tip accessories)HVD3102A-NOACC1 kV, 120 MHz High Voltage Differential ProbeHVD3106A-6Mwith 6-meter CableHVD3106A-6Mwith 6-meter CableHVD3106A-NOACC(without tip accessories)HVD3106A-NOACC2 kV, 120 MHz High Voltage Differential ProbeHVD3106A-NOACC(without tip accessories)HVD3106A-NOACC2 kV, 120 MHz High Voltage Differential ProbeHVD3206A-6Mwith 6-meter CableHVD3206A-6M1 kV, 20 MHz High Voltage Differential ProbeHVD3206A-6Mwith 6-meter CableHVD3065A6 kV, 100 MHz High Voltage Differential ProbeHVD3065AHigh Voltage Fiber Optic Probe, 60 MHz bandwidthHVF0100-1X-TIP-UHVF0100 Universal ±1 V Tip AccessoryHVF0100-10X-TIP-UHVF0100 Universal ±20	30A, 100 MHz High Sensitivity Current Probe –	CP031A
150 A, 5 MHz Current ProbeCP150-6MAC/DC, 150 Arms, 500 A peak pulse, 6-meter cable500 A, 2 MHz Current Probe –CP500500 A, 2 MHz Current Probe –CP500AC/DC, 500 Arms, 700 A peak pulse, 6-meter cableDCS025700 V, 25 MHz High Voltage Differential Probe (\div 10, \div 100)AP0311 kV, 25 MHz High Voltage Differential ProbeHVD3102A1 kV, 25 MHz High Voltage Differential ProbeHVD3102A-NOACC(without tip accessories)HVD3106A-6M1 kV, 120 MHz High Voltage Differential ProbeHVD3106A-NOACC(without tip accessories)HVD3106A-NOACC1 kV, 120 MHz High Voltage Differential ProbeHVD3106A-NOACC(without tip accessories)HVD3106A-NOACC2 kV, 120 MHz High Voltage Differential ProbeHVD3106A-NOACC(without tip accessories)HVD3106A-NOACC2 kV, 120 MHz High Voltage Differential ProbeHVD3206A6 kV, 100 MHz High Voltage Differential ProbeHVD3206A-6Mwith 6-meter CableHVD3206A-6M6 kV, 100 Universal ±1 V Tip AccessoryHVF0100-1X-TIP-UHVF0100 Universal ±10 V Tip AccessoryHVF0100-1X-TIP-UHVF0100 Universal ±20 V Tip AccessoryHVF0100-2X-TIP-UHVF0100 Universal ±20 V Tip AccessoryHVF0100-4X-TIP-UHVF0100 Universal ±20 V Tip AccessoryHVF0100-4X-TIP-UHVF0100 Universal ±20 V Tip AccessoryHVF0100-4X-TIP-UHVF0100 Universal ±20 V Tip AccessoryHVF0100-2X-TIP-UHVF0100 Universal ±20 V Tip AccessoryHVF0100-4X-TIP-UHVF0100 Universal ±20 V Tip AccessoryHVF0100-4X-TIP-U <t< td=""><td>150 A, 10 MHz Current Probe –</td><td>CP150</td></t<>	150 A, 10 MHz Current Probe –	CP150
500 A, 2 MHz Current ProbeCP500AC/DC, 500 Arms, 700 A peak pulse, 6-meter cableDcS025Deskew Calibration SourceDCS025700 V, 25 MHz High Voltage Differential ProbeHVD3102A1 kV, 25 MHz High Voltage Differential ProbeHVD3102A-NOACC(without tip accessories)HVD3102A-NOACC1 kV, 20 MHz High Voltage Differential ProbeHVD3106A-6Mwith 6-meter CableHVD3106A-NOACC1 kV, 120 MHz High Voltage Differential ProbeHVD3106A-NOACC(without tip accessories)HVD3106A-NOACC2 kV, 120 MHz High Voltage Differential ProbeHVD3106A-NOACC(without tip accessories)HVD3106A-NOACC2 kV, 120 MHz High Voltage Differential ProbeHVD3206A6 kV, 100 MHz High Voltage Differential ProbeHVD3206A-6Mwith 6-meter CableHVD3605A6 kV, 100 MHz High Voltage Differential ProbeHVD3605AHigh Voltage Fiber Optic Probe, 60 MHz bandwidthHVF0103HVF0100 Universal ±1 V Tip AccessoryHVF0100-1X-TIP-UHVF0100 Universal ±20 V Tip AccessoryHVF0100-20X-TIP-UHVF0100 Universal ±20 V Tip AccessoryHVF0100-20X-TIP-UHVF0100 Universal ±40 V Tip AccessoryHVF0100-40X-TIP-UHVF0100 Universal ±40 V Tip AccessoryHVF0100-10X-TIP-UHVF0100 Universal ±50 MQ 5 kV High Voltage Probe <td>150 A, 5 MHz Current Probe –</td> <td>CP150-6M</td>	150 A, 5 MHz Current Probe –	CP150-6M
Deskew Calibration SourceDCS025700 V, 25 MHz High Voltage Differential Probe $(\pm 10, \pm 100)$ AP0311 kV, 25 MHz High Voltage Differential ProbeHVD3102A1 kV, 25 MHz High Voltage Differential ProbeHVD3102A-NOACC(without tip accessories)HVD3106A1 kV, 120 MHz High Voltage Differential ProbeHVD3106A-6Mwith 6-meter CableHVD3106A-6M1 kV, 120 MHz High Voltage Differential ProbeHVD3106A-NOACC(without tip accessories)HVD3106A-6M2 kV, 120 MHz High Voltage Differential ProbeHVD3106A-NOACC(without tip accessories)HVD3206A2 kV, 120 MHz High Voltage Differential ProbeHVD3206A-6Mwith 6-meter CableHVD3206A-6M6 kV, 100 MHz High Voltage Differential ProbeHVD3065AHigh Voltage Fiber Optic Probe, 60 MHz bandwidthHVF0100HVF0100 Universal ±1 V Tip AccessoryHVF0100-1X-TIP-UHVF0100 Universal ±10 V Tip AccessoryHVF0100-20X-TIP-UHVF0100 Universal ±20 V Tip AccessoryHVF0100-20X-TIP-UHVF0100 Universal ±0 V Tip	500 A, 2 MHz Current Probe –	CP500
700 V, 25 MHz High Voltage Differential Probe $(\pm 10, \pm 100)$ AP0311 kV, 25 MHz High Voltage Differential ProbeHVD3102A1 kV, 25 MHz High Voltage Differential ProbeHVD3102A-NOACC(without tip accessories)HVD3106A1 kV, 120 MHz High Voltage Differential ProbeHVD3106A-6M1 kV, 120 MHz High Voltage Differential ProbeHVD3106A-NOACC(without tip accessories)HVD3106A-NOACCC2 kV, 120 MHz High Voltage Differential ProbeHVD3106A-NOACCC(without tip accessories)HVD3206A2 kV, 120 MHz High Voltage Differential ProbeHVD3206A6 kV, 100 MHz High Voltage Differential ProbeHVD3206A-6M6 kV, 100 MHz High Voltage Differential ProbeHVD3206A-6MHigh Voltage Fiber Optic Probe, 60 MHz bandwidthHVF0103HVF0100 Universal ±1 V Tip AccessoryHVF0100-1X-TIP-UHVF0100 Universal ±10 V Tip AccessoryHVF0100-10X-TIP-UHVF0100 Universal ±20 V Tip AccessoryHVF0100-20X-TIP-UHVF0100 Universal ±20 V Tip AccessoryHVF0100-20X-TIP-UHVF0100 Universal ±40 V Tip AccessoryHVF0100-40X-TIP-UHVF0100 Universal ±00 Tip AccessoryHVF0100-10X-TIP-UHVF0100 Universal ±00 Tip AccessoryHVF0100-10X-TIP-UHVF0100 Universal ±00 Tip		DCS025
1 kV, 25 MHz High Voltage Differential ProbeHVD3102A1 kV, 25 MHz High Voltage Differential ProbeHVD3102A-NOACC(without tip accessories)HVD3106A1 kV, 120 MHz High Voltage Differential ProbeHVD3106A-6M1 kV, 120 MHz High Voltage Differential ProbeHVD3106A-NOACC(without tip accessories)HVD3106A-NOACC2 kV, 120 MHz High Voltage Differential ProbeHVD3106A-NOACC(without tip accessories)HVD3206A2 kV, 120 MHz High Voltage Differential ProbeHVD3206A-6M6 kV, 100 MHz High Voltage Differential ProbeHVD3206A-6MHigh Voltage Differential ProbeHVD3605AHigh Voltage Fiber Optic Probe, 60 MHz bandwidthHVF0103HVF0100 Universal ±1 V Tip AccessoryHVF0100-1X-TIP-UHVF0100 Universal ±10 V Tip AccessoryHVF0100-10X-TIP-UHVF0100 Universal ±20 V Tip AccessoryHVF0100-40X-TIP-UHVF0100 Universal ±40 V Tip AccessoryHVF0100-40X-TIP-UHVF0100 Universal ±40 V Tip AccessoryHVF0100-40X-TIP-UHVF0100 Universal ±00 V Tip AccessoryHVF0100-40X-TIP-UHVF0100 Universal ±00 V Tip AccessoryHVF0-1M-FIBERHVF0 1 m Optical Cable AccessoryHVF0-2M-FIBERHVF0 2 m Optical Cable AccessoryHVF0-2M-FIBER100:1 400 MHz 50 MQ 1 kV High Voltage ProbePPE4KV1000:1 400 MHz 50 MQ 5 kV High Voltage ProbePPE6KV200 MHz, 3.5 pF, 1 MQ Active Differential Probe, ±8 VZ0500500 MHz, 1.0 pF Active Differential Probe, ±8 VZ0500500 MHz, 1.0 pF Active Differential Probe, ±8 VZ010001 GHz, 1		
1 kV, 25 MHz High Voltage Differential Probe (without tip accessories)HVD3102A-NOACC (WD3106A-NOACC HVD3106A1 kV, 120 MHz High Voltage Differential Probe with 6-meter CableHVD3106A-6M HVD3106A-6M1 kV, 120 MHz High Voltage Differential Probe (without tip accessories)HVD3106A-NOACC HVD3106A-NOACC (without tip accessories)2 kV, 120 MHz High Voltage Differential Probe k V, 100 MHz High Voltage Differential ProbeHVD3206A HVD3206A-6M6 kV, 100 MHz High Voltage Differential Probe (with 6-meter CableHVD3206A-6M HVD3206A-6M6 kV, 100 MHz High Voltage Differential Probe HVD3005AHVD3065A HVF0100 Universal ±1 V Tip Accessory HVF0100-1X-TIP-U HVF0100 Universal ±10 V Tip Accessory HVF0100-02X-TIP-U HVF0100 Universal ±20 V Tip Accessory HVF0100-040X-TIP-U HVF0100 Universal ±20 V Tip Accessory HVF0100-40X-TIP-U HVF0100 Universal ±40 V Tip Accessory HVF0100-40X-TIP-U HVF0100 Universal ±00 Y Tip Accessory HVF0100-40X-TIP-U HVF0100 Universal ±00 Y Tip Accessory HVF0100-40X-TIP-U HVF0100 Universal ±00 Y Tip Accessory HVF0100-40X-TIP-U HVF0100-40X-TIP-U HVF0100 Universal ±00 Y Tip Accessory HVF0-1M-FIBER HVF0 2 m Optical Cable Accessory HVF0-1M-FIBER HVF0 50 MQ 1 kV High Voltage Probe HVF0-2M-FIBER HVF0 6 m Optical Cable Accessory HVF0-6M-FIBER 100:1 400 MHz 50 MQ 5 kV High Voltage Probe PPE5KV 1000:1 400 MHz 50 MQ 5 kV High Voltage Probe PPE5KV 1000:1 400 MHz 50 MQ 5 kV High Voltage Probe PPE5KVPPE6KV 200 MHz, 3.5 pF, 1 MQ Active Differential Probe, ±8 V Z0500 500 MHz, 1.0 pF Active Differential Probe, ±8 V Z0500 500 MHz, 1.0 pF Active Differential Probe, ±8 V Z0500 1 GHz, 1.0 pF Active Differential Probe, ±8 V Z0500 10 GHz, 0.9 pF, 1 MQ High Impedance Activ		
1 kV, 120 MHz High Voltage Differential ProbeHVD3106A1 kV, 80 MHz High Voltage Differential ProbeHVD3106A-6Mwith 6-meter CableHVD3106A-NOACC(without tip accessories)HVD3206A2 kV, 120 MHz High Voltage Differential ProbeHVD3206A2 kV, 80 MHz High Voltage Differential ProbeHVD3206A-6Mwith 6-meter CableHVD3206A-6M6 kV, 100 MHz High Voltage Differential ProbeHVD3206A-6MHigh Voltage Fiber Optic Probe, 60 MHz bandwidthHVF0103HVF0100 Universal ±1 V Tip AccessoryHVF0100-1X-TIP-UHVF0100 Universal ±5 V Tip AccessoryHVF0100-10X-TIP-UHVF0100 Universal ±20 V Tip AccessoryHVF0100-20X-TIP-UHVF0100 Universal ±20 V Tip AccessoryHVF0100-40X-TIP-UHVF0100 Universal ±40 V Tip AccessoryHVF0-1M-FIBERHVF0 2 m Optical Cable AccessoryHVF0-1M-FIBERHVF0 6 m Optical Cable AccessoryHVF0-6M-FIBER100:1 400 MHz 50 MQ 5 kV High Voltage ProbePPE4KV1000:1 400 MHz 50 MQ 5 kV High Voltage ProbePPE6KV200 MHz, 3.5 pF, 1 MQ Active Differential Probe, ±8 VZD500500 MHz Active Differential Probe, ±8 VZD500500 MHz Active Differential Probe, ±8 VZD10001.5 GHz, 1.0 pF Active Differential Probe, ±8 VZD10001.5 GHz, 1.0 pF Active Differential Probe, ±8 VZD10001.5 GHz, 1.0 pF Active Differential Pro	1 kV, 25 MHz High Voltage Differential Probe	
1 kV, 80 MHz High Voltage Differential ProbeHVD3106A-6Mwith 6-meter Cable1 kV, 120 MHz High Voltage Differential ProbeHVD3106A-NOACC(without tip accessories)2 kV, 120 MHz High Voltage Differential ProbeHVD3206A2 kV, 80 MHz High Voltage Differential ProbeHVD3206A-6Mwith 6-meter Cable6 kV, 100 MHz High Voltage Differential ProbeHVD3605A6 kV, 100 MHz High Voltage Differential ProbeHVD306A-6MWith 6-meter Cable6 kV, 100 MHz High Voltage Differential ProbeHVD306A-6M6 kV, 100 MHz High Voltage Differential ProbeHVD3005AHigh Voltage Fiber Optic Probe, 60 MHz bandwidthHVF0103HVF0100 Universal ±1 V Tip AccessoryHVF0100-1X-TIP-UHVF0100 Universal ±5 V Tip AccessoryHVF0100-10X-TIP-UHVF0100 Universal ±20 V Tip AccessoryHVF0100-20X-TIP-UHVF0100 Universal ±40 V Tip AccessoryHVF0100-40X-TIP-UHVF0100 Universal ±40 V Tip AccessoryHVF0-1M-FIBERHVF02 m Optical Cable AccessoryHVF0-2M-FIBERHVF02 m Optical Cable AccessoryHVF0-2M-FIBER100:1 400 MHz 50 MQ 1 kV High Voltage ProbeHVF120100:1 400 MHz 50 MQ 5 kV High Voltage ProbePPE4KV1000:1 400 MHz 50 MQ 5 kV High Voltage ProbePPE6KV200 MHz, 3.5 pF, 1 MQ Active Differential Probe, ±8 VZD500500 MHz Active Differential Probe, ±8 VZD500500 MHz Active Differential Probe, ±8 VZD10001.5 GHz, 1.0 pF Active Differential Probe, ±8 VZD10001.5 GHz, 1.0 pF Active Differential Probe, ±8 VZD10001.5 GHz, 1.0 pF Activ		HVD3106A
1 kV, 120 MHz High Voltage Differential Probe (without tip accessories)HVD3106A-NOACC (Without tip accessories)2 kV, 120 MHz High Voltage Differential ProbeHVD3206A2 kV, 80 MHz High Voltage Differential ProbeHVD3206A-6M With 6-meter Cable6 kV, 100 MHz High Voltage Differential ProbeHVD3206A-6M9 kV, 100 MHz High Voltage Differential ProbeHVD3065A1 High Voltage Fiber Optic Probe, 60 MHz bandwidthHVF01031 VF0100 Universal ±1 V Tip AccessoryHVF0100-1X-TIP-U1 VF0100 Universal ±5 V Tip AccessoryHVF0100-5X-TIP-U1 VF0100 Universal ±0 V Tip AccessoryHVF0100-20X-TIP-U1 VF0100 Universal ±20 V Tip AccessoryHVF0100-40X-TIP-U1 VF0100 Universal ±40 V Tip AccessoryHVF0100-40X-TIP-U1 VF0100 Universal ±40 V Tip AccessoryHVF0-10N-FIBER1 VF02 m Optical Cable AccessoryHVF0-10N-FIBER1 VF02 m Optical Cable AccessoryHVF0-6M-FIBER1 00:1 400 MHz 50 MQ 1 kV High Voltage ProbeHVP1201 00:1 400 MHz 50 MQ 5 kV High Voltage ProbePPE4KV1 000:1 400 MHz 50 MQ 5 kV High Voltage ProbePPE4KV1 000:1 400 MHz 50 MQ 5 kV High Voltage ProbePPE6KV2 00 MHz, 3.5 pF, 1 MQ Active Differential Probe, ±8 VZD500500 MHz Active Differential Probe, ±8 VZD500500 MHz Active Differential Probe, ±8 VZD10001.5 GHz, 1.0 pF Active Differential Probe, ±8 VZD10001.5 GHz, 1.0 pF Active Differential Probe, ±8 VZD10001 GHz, 0.9 pF, 1 MQ High Impedance Active ProbeZS1000	1 kV, 80 MHz High Voltage Differential Probe	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	1 kV, 120 MHz High Voltage Differential Probe	HVD3106A-NOACC
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		HVD3206A
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	2 kV, 80 MHz High Voltage Differential Probe	
High Voltage Fiber Optic Probe, 60 MHz bandwidthHVF0103HVF0100 Universal ±1 V Tip AccessoryHVF0100-1X-TIP-UHVF0100 Universal ±5 V Tip AccessoryHVF0100-5X-TIP-UHVF0100 Universal ±0 V Tip AccessoryHVF0100-10X-TIP-UHVF0100 Universal ±20 V Tip AccessoryHVF0100-20X-TIP-UHVF0100 Universal ±40 V Tip AccessoryHVF0100-40X-TIP-UHVF0100 Universal ±40 V Tip AccessoryHVF0100-40X-TIP-UHVF0100 Universal ±40 V Tip AccessoryHVF0-1M-FIBERHVF0 1 m Optical Cable AccessoryHVF0-2M-FIBERHVF0 6 m Optical Cable AccessoryHVF0-6M-FIBER100:1 400 MHz 50 MΩ 1 kV High Voltage ProbeHVP120100:1 400 MHz 50 MΩ 5 kV High Voltage ProbePPE4KV1000:1 400 MHz 50 MΩ 5 kV High Voltage ProbePPE6KV200 MHz, 3.5 pF, 1 MΩ Active Differential Probe, ±20 VZD200500 MHz Active Differential Probe, ±8 VZD500500 MHz Active Differential Probe, ±8 VZD10001.5 GHz, 1.0 pF Active Differential Probe, ±8 VZD10001.6 Hz, 0.9 pF, 1 MΩ High Impedance Active ProbeZS1000		HVD3605A
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		HVF0100-1X-TIP-U
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HVF0100 Universal ±40 V Tip AccessoryHVF0100-40X-TIP-UHVF0 1 m Optical Cable AccessoryHVF0-1M-FIBERHVF0 2 m Optical Cable AccessoryHVF0-2M-FIBERHVF0 6 m Optical Cable AccessoryHVF0-6M-FIBER100:1 400 MHz 50 MΩ 1 kV High Voltage ProbeHVP120100:1 400 MHz 50 MΩ 4 kV High Voltage ProbePPE4KV1000:1 400 MHz 50 MΩ 5 kV High Voltage ProbePPE4KV1000:1 400 MHz 50 MΩ 5 kV High Voltage ProbePPE6KV200 MHz, 3.5 pF, 1 MΩ Active Differential Probe, ±20 VZD200500 MHz, 1.0 pF Active Differential Probe, ±8 VZD500500 MHz Active Differential Probe, ±8 VZD10001.5 GHz, 1.0 pF Active Differential Probe, ±8 VZD10001.5 GHz, 0.9 pF, 1 MΩ High Impedance Active ProbeZS1000	HVF0100 Universal ±10 V Tip Accessory	HVF0100-10X-TIP-U
HVF0 1 m Optical Cable AccessoryHVF0-1M-FIBERHVF0 2 m Optical Cable AccessoryHVF0-2M-FIBERHVF0 6 m Optical Cable AccessoryHVF0-6M-FIBER100:1 400 MHz 50 MΩ 1 kV High Voltage ProbeHVF120100:1 400 MHz 50 MΩ 4 kV High Voltage ProbePPE4KV1000:1 400 MHz 50 MΩ 5 kV High Voltage ProbePPE4KV1000:1 400 MHz 50 MΩ 5 kV High Voltage ProbePPE6KV200 MHz, 3.5 pF, 1 MΩ Active Differential Probe, ± 20 VZD200500 MHz, 1.0 pF Active Differential Probe, ± 8 VZD500500 MHz Active Differential Probe, ± 8 VZD10001.5 GHz, 1.0 pF Active Differential Probe, ± 8 VZD10001.5 GHz, 0.9 pF, 1 MΩ High Impedance Active ProbeZS1000	HVF0100 Universal ±20 V Tip Accessory	HVF0100-20X-TIP-U
HVFO 2 m Optical Cable AccessoryHVFO-2M-FIBERHVFO 6 m Optical Cable AccessoryHVFO-6M-FIBER100:1 400 MHz 50 MΩ 1 kV High Voltage ProbeHVP120100:1 400 MHz 50 MΩ 4 kV High Voltage ProbePPE4KV1000:1 400 MHz 50 MΩ 5 kV High Voltage ProbePPE5KV1000:1 400 MHz 5 MΩ / 50 MΩ 6 kV High Voltage ProbePPE6KV200 MHz, 3.5 pF, 1 MΩ Active Differential Probe, ± 20 VZD200500 MHz, 1.0 pF Active Differential Probe, ± 8 VZD500500 MHz Active Differential Probe, ± 8 VZD10001.5 GHz, 1.0 pF Active Differential Probe, ± 8 VZD10001.5 GHz, 0.9 pF, 1 MΩ High Impedance Active ProbeZS1000	HVF0100 Universal ±40 V Tip Accessory	HVF0100-40X-TIP-U
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	HVFO 1 m Optical Cable Accessory	HVF0-1M-FIBER
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	HVFO 2 m Optical Cable Accessory	HVF0-2M-FIBER
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	HVFO 6 m Optical Cable Accessory	HVFO-6M-FIBER
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		HVP120
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	100:1 400 MHz 50 M Ω 4 kV High Voltage Probe	PPE4KV
$\begin{array}{c c} 200 \text{ MHz}, 3.5 \text{ pF}, 1 \text{ M}\Omega \text{ Active Differential Probe, } \pm 20 \text{ V} & \text{ZD200} \\ \hline 500 \text{ MHz}, 1.0 \text{ pF} \text{ Active Differential Probe, } \pm 8 \text{ V} & \text{ZD500} \\ \hline 500 \text{ MHz} \text{ Active Differential Probe, } \pm 8 \text{ V} & \text{ZD1000} \\ \hline 1 \text{ GHz}, 1.0 \text{ pF} \text{ Active Differential Probe, } \pm 8 \text{ V} & \text{ZD1000} \\ \hline 1.5 \text{ GHz}, 1.0 \text{ pF} \text{ Active Differential Probe, } \pm 8 \text{ V} & \text{ZD1500} \\ \hline 1 \text{ GHz}, 0.9 \text{ pF}, 1 \text{ M}\Omega \text{ High Impedance Active Probe} & \text{ZS1000} \\ \hline \end{array}$	1000:1 400 MHz 50 M Ω 5 kV High Voltage Probe	PPE5KV
		be PPE6KV
		V ZD200
$\begin{array}{c c} 1 \text{ GHz, } 1.0 \text{ pF Active Differential Probe, } \pm 8 \text{ V} & \text{ZD1000} \\ \hline 1.5 \text{ GHz, } 1.0 \text{ pF Active Differential Probe, } \pm 8 \text{ V} & \text{ZD1500} \\ \hline 1 \text{ GHz, } 0.9 \text{ pF, } 1 \text{ M}\Omega \text{ High Impedance Active Probe} & \text{ZS1000} \\ \end{array}$		ZD500
1.5 GHz, 1.0 pF Active Differential Probe, ±8 VZD15001 GHz, 0.9 pF, 1 MΩ High Impedance Active ProbeZS1000		
1 GHz, 0.9 pF, 1 MΩ High Impedance Active Probe ZS1000		ZD1000
1.5 GHz, 0.9 pF, 1 MΩ High Impedance Active ProbeZS1500		ZS1000
	1.5 GHz, 0.9 pF, 1 M Ω High Impedance Active Probe	ZS1500

Probe Adapters

Tek Probe to ProBus Probe Adapter

TPA10

DISTRAME SA Parc du Grand Troyes - Quartier Europe Centrale 40 rue de Vienne - 10300 SAINTE-SAVINE wavesurfer4000hd-ds-30oct19 Tél. : 03 25 71 25 83 - Fax : 03 25 71 28 98 - infos@distrame.fr - www.distrame.fr



Product Code