

Product Catalog



For more information, please contact:



HDO4000 OSCILLOSCOPES



Debug in High Definition

200 MHz – 1 GHz

Combining Teledyne LeCroy's HD4096 high definition technology, with long memory, a compact form factor, 12.1" wide touch screen display, powerful debug tools, and mixed signal capability, the HDO4000 is the ideal oscilloscope for precise measurements and quick debug.



Oscilloscopes with HD4096 12-bit technology can see cleaner, crisper waveforms with more signal details and make more precise measurements than traditional 8-bit oscilloscopes

HD4096 Technology

HD4096 high definition technology is built on high sample rate 12-bit ADCs which enables HDO oscilloscopes to capture and display signals of up to 1 GHz with high sample rate and 16 times more resolution than other oscilloscopes

WaveScan

Quickly search analog or digital waveforms for runts, glitches or other anomalies

LabNotebook

Save all results and data with a single button press and create custom reports

History Mode

Use History Mode to scroll back in time to isolate anomalies and quickly find the source of the problem

Embedded System Test Tools and Software Options

Powerful MSO capabilities plus a wide range of serial data trigger and decode capabilities as well as options for Spectrum Analyzer and Power Analysis software



View and measure analog, digital and serial data signals in one place.



Easily control channels, trigger, math and measurements with the large touch screen display and intuitive interface.



Learn More:
teledynelecroy.com/hdo

Key Specifications	
Bandwidth	200 MHz, 350 MHz, 500 MHz, 1 GHz
Resolution	12-bit ADC resolution, 15-bit with ERES
Channels	2, 4, 2 + 16 or 4 + 16
Memory	Up to 25 Mpts/Ch, 50 Mpts Interleaved
Sample Rate	2.5 GS/s
Digital Sample Rate	1.25 GS/s
Minimum Pulse Width	2 ns
Connectivity	USB, LAN, GPIB
Display	12.1" Color WXGA with Touch Screen

WAVESURFER 10 OSCILLOSCOPES

Engineered for Efficient Design and Debug

1 GHz

WaveSurfer 10 oscilloscopes pack high performance hardware, powerful waveform processing and advanced math, measurement and debug tools into a compact form factor with a large touch screen display and intuitive user interface.



MAUI - Advanced User Interface

Designed for Touch, Built for Simplicity, Made to Solve

Uncompromised Performance

1 GHz Bandwidth, 10 GS/s Sample Rate, up to 16 Mpts/ch Memory

WaveScan

Quickly search analog or digital waveforms for runts, glitches or other anomalies

Embedded System Test Tools

Powerful MSO capabilities plus a wide range of serial data trigger and decode capabilities

LabNotebook

Quickly save all results plus flashback to previous tests and create custom reports.

Advanced Debug Toolkit

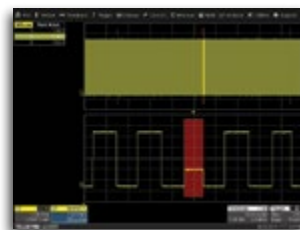
Standard on WaveSurfer 10M, the ADT option adds 10 GS/s sample rate on 4 channels, 32 Mpts of memory, sequence mode, history mode, 13 additional math functions, and 2 simultaneous math traces.



The advanced debug toolkit turns the WaveSurfer 10 into an unparalleled analysis and debug machine.



Add the MS-250 to the WaveSurfer 10 to view and measure analog, digital and serial data signals in one place.



Use WaveScan to search for and identify anomalies on analog or digital signals.

Key Specifications	
Bandwidth	1 GHz
Channels	4 or 4 + 18
Sample Rate	Up to 10 GS/s
Standard Memory	WaveSurfer 10: 10 Mpts/Ch, 20 Mpts interleaved WaveSurfer 10M: 16 Mpts/Ch, 32 Mpts interleaved
Connectivity	USB, LAN, GPIB
Display	10.4" Color SVGA with Touch Screen



Learn More:
teledynelecroy.com/wavesurfer10

WAVESURFER 3000 OSCILLOSCOPES



A New Wave of Thinking

200 MHz – 750 MHz

WaveSurfer 3000 oscilloscopes feature the MAUI advanced user interface with touch screen simplicity to shorten debug time. The advanced probe interface, upgradable bandwidth and multi-instrument capabilities provide maximum versatility and investment protection.



Quickly identify anomalies through the combination of fast update rate, WaveScan and History mode

MAUI - Advanced User Interface

Designed for Touch, Built for Simplicity, Made to Solve

Advanced Anomaly Detection

Quickly identify anomalies through the combination of fast update rate, Pass Fail Mask Testing, WaveScan, and History mode



Flexible probing solutions and powerful math and measurement tools simplify troubleshooting

Capture. Debug. Analyze. Document.

Flexible probing solutions and powerful math and measurement tools simplify troubleshooting

Multi-Instrument Capabilities

Built in waveform generation, logic analysis, protocol analysis, and digital voltmeter



Built in waveform generation, logic analysis, protocol analysis, and digital voltmeter

Future Proof

Bandwidth, MSO, Function Generator and Protocol Analysis upgrades provide maximum investment protection

Key Specifications

Bandwidth	200 MHz, 350 MHz, 500 MHz, 750 MHz
Channels	2, 4, 2 + 16 or 4 + 16
User Interface	MAUI
Sample Rate (Per Ch / Intlv'd)	2 GS/s / 4 GS/s
Standard Memory (Per Ch / Intlv'd)	10 Mpts / 10 Mpts
Update Rate	Up to 130,000 waveforms/sec
Display	10.1" Touch Screen
Digital Channels	16
Digital Sample Rate	500 MS/s
Minimum Pulse Width	4 ns
Connectivity	USB Host, USB Device, LAN, GPIB



Learn More:
teledynelecroy.com/newwave

WAVEJET TOUCH OSCILLOSCOPES

Portable Performance for Debug and Validation

350 MHz / 500 MHz

The WaveJet Touch provides the performance, features, and touch screen user interface to simplify operation and shorten debug time. The compact design features a 7.5" touch screen, providing the convenience of touch operation in a portable design.



Touch Screen

Simplifies how all aspects of oscilloscope operation are controlled

Portable Performance

Small form factor and lightweight design make it easy to carry and use anywhere

Pass/Fail Mask and Measurement Testing

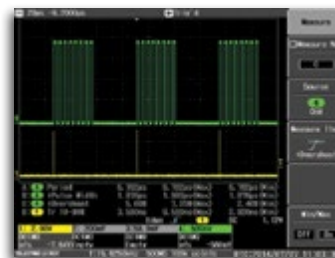
Waveforms can be tested against a mask or measurement parameters can be assigned pass/fail criteria

Replay Mode

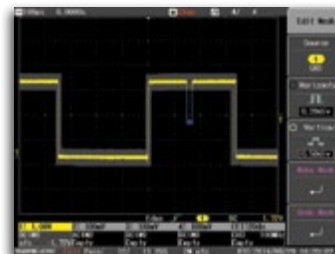
Isolate anomalies and see how a waveform has changed over time

Ultra-quick Boot Time

On and acquiring signals in less than 5 seconds, measurements can begin immediately



Speed up debugging time with 26 automatic measurements plus min/max statistics.



On a pass/fail condition the oscilloscope can be configured to perform multiple actions.



Go back in time to isolate runs, glitches or other anomalies with Replay Mode.

Key Specifications	
Bandwidth	350 MHz, 500 MHz
Channels	4
Memory	Up to 5 Mpts
Sample Rate	Up to 2 GS/s
Connectivity	USB Host, USB Device, GPIB, LAN
Display	7.5" Touch screen



Learn More:
teledynelecroy.com/wavejet-touch

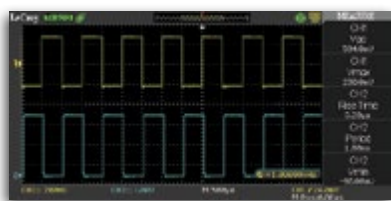
WAVEACE OSCILLOSCOPES



Debug with Confidence

40 MHz – 300 MHz

The WaveAce combines long memory, a color display, extensive measurement capabilities, advanced triggering and great connectivity to improve trouble shooting and shorten debug time.



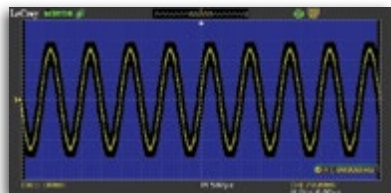
32 parameters for making vertical, horizontal and delay measurements.

Long Capture

1 Mpts/Ch and 2 Mpts interleaved to capture more time and show more waveform details

Math and Measure

4 basic math functions plus FFT and 32 automatic measurement parameters



Pass/Fail mask testing can quickly identify problems.

Connectivity

USB for mass storage, printing and PC control plus LAN for fast data transfer

Pass/Fail Testing

Quickly identify failing devices and when failures occur



Capture and replay a sequence of up to 2,500 waveforms to isolate that runt or glitch which is causing problems in your system.

Large Internal Storage

Save 20 waveforms and 20 setups to the internal WaveAce memory

Waveform Sequence Recorder – record and play back up to 2,500 waveforms



Key Specifications	
Bandwidth	40 MHz, 60 MHz, 70 MHz, 100 MHz, 200 MHz, 300 MHz
Channels	2 or 4
Memory	Up to 1 Mpts/Ch (2 Mpts interleaved)
Sample Rate	Up to 2 GS/s
Connectivity	USB Host, USB Device, LAN
Display	7" Color WQVGA

Point, Click, Debug

Logic analyzers are known to be slow, complicated and expensive but LogicStudio changes all this by delivering a powerful feature set, high performance hardware and an intuitive point and click user-interface.



Powerful Feature Set

Timing cursors, history mode and serial data protocol decoding help debug the most complicated problems

Easy to Use

Simple mouse operations control every aspect of the user-interface from panning and zooming waveforms to configuring the trigger

Mixed Signal

Turn your PC into an MSO by connecting LogicStudio to any of ten popular oscilloscopes from Teledyne LeCroy, Tektronix and Agilent

Serial Bus Decode and Trigger

Capture and decode I²C, SPI and UART messages



View decoded protocol information for I²C, SPI and UART busses plus trigger on data being transmitted on the serial busses.



Create powerful trigger conditions by combining edge, logic level, parallel bus and serial bus triggers.



Turn any PC into an MSO by connecting LogicStudio to any of ten popular oscilloscopes from Teledyne LeCroy, Tektronix and Agilent.

Key Specifications

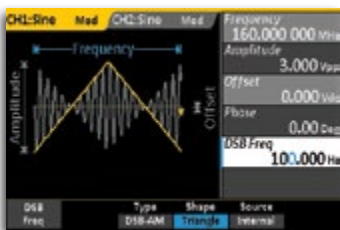
Minimum Pulse Width	3.75 ns
Channels	16
Memory	20 kpts/Ch, 40 kpts Interleaved
Sample Rate	Up to 1 GS/s
Serial Bus Tools	I ² C, SPI, UART



Try It For Free at :
teledynelecroy.com/logicstudio

Powerful Combination of Performance and Flexibility

WaveStation waveform generators provide a wide range of standard and arbitrary waveforms, a variety of modulation schemes and a simple front panel for simple, powerful, flexible waveform generation.



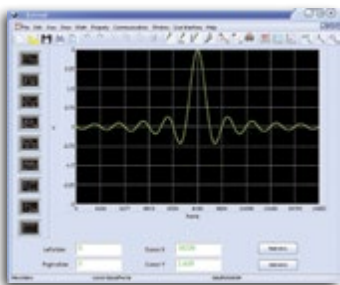
Built-in modulation capabilities include AM, PM, FM, ASK, PSK and FSK. View the modulated waveform on the display and see how it changes when varying output frequency, carrier waveform or modulation type.

High Performance and Signal Fidelity

Accurate waveform creation due to high resolution, fast sample rate, and low distortion

Extensive Waveform Library

5 basic functions and over 40 built-in arbitrary waveforms



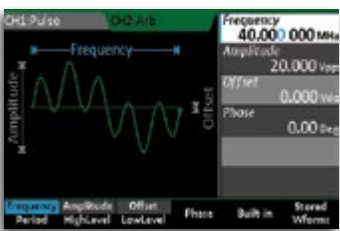
Easily create and edit waveforms on the PC with mathematical operations, filters, and point-by-point editing or draw a waveform with a mouse.

Variety of Modulation Schemes

Built-in modulation capabilities, such as, AM, PM, FM, ASK, PSK and FSK

Simple, Fast Waveform Creation

Quickly access functions from the front panel, view created waveforms and waveform parameters on the display



Quickly create basic sine, square, ramp, pulse, and noise waveforms plus over 40 advanced arbitrary waveforms.

Connectivity and Communication

USB and GPIB for simple remote control, automation and saving data

WaveStation PC Software

Easily create and edit waveforms on the PC and quickly transfer to the WaveStation

Key Specifications	
Bandwidth	10 MHz, 25 MHz, 50 MHz, 80 MHz, 120 MHz, 160 MHz
Channels	2
Memory	Up to 512 kpts
Sample Rate	Up to 500 MS/s
Vertical Resolution	14-bit



Learn more:
teledynelecroy.com/wavestation

Powerful, Versatile Waveform Creation

ArbStudio Arbitrary Waveform Generators provide uncompromised performance, a wide variety of signal types, modulation schemes and generation modes all controlled through an intuitive software interface.



Unmatched Performance

125 MHz, 1 GS/s, 2 Mpts/Ch and 16-bit resolution

Digital Pattern Generator

ArbStudio is a mixed signal generator capable of creating patterns of up to 36 lines

Graphical User Interface

Easily see created waveforms and waveform sequences on the display of any PC

Simple Operating Modes

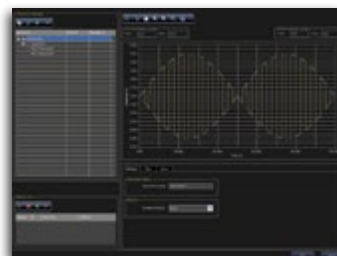
Dedicated operating modes for basic functions and PWM signals provide simplified operation



Quickly generate basic functions like sine, square and triangle waves with a dedicated user interface.



Create digital waveforms, patterns and busses of up to 18 channels and output analog and digital waveforms simultaneously.



Built-in modulation capabilities include AM, PM, FM, ASK, PSK, FSK and PWM.

Key Specifications	
Bandwidth	125 MHz
Channels	2, 2 + 18
Memory	2 Mpts/Ch
Sample Rate	1 GS/s
Vertical Resolution	16-bit



OSCILLOSCOPE SELECTION GUIDE



**HDO4000/
HDO4000-MS**



**WaveSurfer 10/
WaveSurfer 10M**



WaveSurfer 3000

	HDO4000/ HDO4000-MS	WaveSurfer 10/ WaveSurfer 10M	WaveSurfer 3000
Bandwidth	200 MHz to 1 GHz	1 GHz	200 MHz to 750 MHz
Resolution	12-bit ADC resolution, 15-bit with enhanced resolution	8-bit ADC resolution, 11-bit with enhanced resolution	8-bit ADC resolution, 11-bit with enhanced resolution
Rise Time	1.75 ns to 450 ps	350 ps	1.75 ns to 550 ps
Channels	2, 4, 2 + 16, 4 + 16	4, 4 + 18	2, 4, 2 + 16, 4 + 16
Display	12.1" Color WXGA Touch Screen	10.4" Color SVGA Touch Screen	10.1" Color WSVGA Touch Screen
Memory	12.5 Mpts/Ch 25 Mpts Interleaved	10 Mpts/Ch 20 Mpts interleaved	10 Mpts/Ch
Maximum Memory[†]	Up to 25 Mpts/Ch 50 Mpts Interleaved	10 Mpts / 20 Mpts, 16 Mpts / 32 Mpts with WaveSurfer 10M or ADT option	–
Sample Rate	2.5 GS/s	10 GS/s	2 GS/s to 4 GS/s
MSO Characteristics	250 MHz, 1.25 GS/s [†]	250 MHz, 1 GS/s [†]	125 MHz, 500 MS/s [†]
Trigger Types	Edge, Width, Glitch, Pattern, TV, Runt, Slew Rate, Interval (Period), Dropout, Qualified	Edge, Width, Glitch, Pattern, TV, Runt, Slew Rate, Interval (Period), Dropout, Qualified	Edge, Width, Pattern, TV, Runt, Slew Rate, Interval (Period), Dropout, Qualified
Serial Trigger and Decode[†]	I ² C, SPI, UART, RS-232, CAN, CAN FD, LIN, FlexRay, SENT, Audio, MIL-STD-1553, D-PHY, ARINC 429, DigRF 3G, DigRF v4, ENET, Manchester, NRZ, USB 1.0/1.1/2.0, USB 2.0-HSIC, SpaceWire	I ² C, SPI, UART, RS-232, CAN, CAN FD, LIN, FlexRay, SENT, Audio, MIL-STD-1553, D-PHY, ARINC 429, DigRF 3G, DigRF v4, ENET, Manchester, NRZ, USB 1.0/1.1/2.0, USB 2.0-HSIC, SpaceWire	I ² C, SPI, UART, RS-232, CAN, CAN FD, LIN
Connectivity and Storage	USB Host for Storage USB Device for PC LAN for PC GPIOB for PC [†]	USB Host for Storage LAN for PC GPIOB for PC [†]	USB Host for Storage USB Device for PC LAN for PC GPIOB for PC [†]
Math	+, -, x, /, FFT, Absolute Value, Average, Derivative, Deskew, Envelope, Enhanced Resolution, Floor, Integral, Invert, Reciprocal, Rescale, Roof, Square, Square Root, Trend, Zoom	+, -, x, /, FFT, Derivative, Deskew, Integral, Rescale, Roof, Square, Square Root, Zoom (Absolute Value, Average, Envelope, Enhanced Resolution, Exp (base e), Exp (base 10) Floor, Invert, Log (base e), Log (base 10), Reciprocal, Roof and Trend included with WaveSurfer 10M or ADT option)	+, -, x, /, FFT, Absolute Value, Average, Derivative, Envelope, Enhanced Resolution, Floor, Integral, Invert, Reciprocal, Rescale, Roof, SinX/x, Square, Square Root, Trend, Zoom
Dimensions (HWD)	291.7 x 399.4 x 131.31 mm (11.48" x 15.72" x 5.17")	260 x 340 x 152 mm (10.25" x 13.4" x 6")	270 x 380 x 125 mm (10.63" x 14.96" x 4.92")
Weight	5.71 kg (12.6 lbs)	7.26 kg (16.0 lbs)	4.81 kg (10.6 lbs)

[†]Optional



	WaveJet Touch	WaveAce 2000	WaveAce 1000
Bandwidth	350 MHz / 500 MHz	70 MHz to 300 MHz	40 MHz to 100 MHz
Resolution	8-bit ADC resolution , 12-bit with enhanced resolution	8-bit ADC resolution	8-bit ADC resolution
Rise Time	1 ns / 750 ps	5.0 ns to 1.2 ns	8.8 ns to 3.5 ns
Channels	4	2, 4	2
Display	7.5" Color VGA Touch Screen	7" Color WQVGA	7" Color WQVGA
Memory	2.5 Mpts/Ch 5 Mpts interleaved	12 kpts/Ch 24 kpts Interleaved	1 Mpts/Ch 2 Mpts Interleaved
Maximum Memory[†]	–	–	–
Sample Rate	up to 2 GS/s	1 GS/s to 2 GS/s	500 MS/s to 1 GS/s
MSO Characteristics	–	–	–
Trigger Types	Edge, Edge ALT, Edge OR, Pulse Width, Period, Pulse Count, Dropout, TV, Logic	Edge, Width, Video, Slope, Alternate	Edge, Width, Video, Slope, Alternate
Serial Trigger and Decode	I ² C, SPI, UART, RS-232	–	–
Connectivity and Storage	USB Host for Storage USB Device for PC LAN for PC GPIB for PC	USB Host for Storage USB Device for PC LAN for PC	USB Host for Storage USB Device for PC
Math	+, -, x, FFT, Integral, Derivative	+, -, x, /, FFT	+, -, x, /, FFT
Dimensions (HWD)	190 x 330 x 124 mm (7.5" x 13" x 4.9")	163 x 360 x 124.1 mm (6.42" x 14.17" x 4.89")	163 x 313 x 115.8 mm (6.42" x 12.32" x 4.6")
Weight	3.7 kg (8.16 lbs)	3.33 kg (7.40 lbs)	2.78 kg (6.10 lbs)

WAVESTATION AND ARBSTUDIO SPECIFICATIONS



ArbStudio



WaveStation

Number of Channels	2	2
Digital Pattern Generator	18 Channels	N/A
Waveforms	Sine, Cosine, Triangle, Rectangle, Sawtooth, Ramp, Pulse, Sinc, Exponential, Sweep, DC, Noise, From File, Arbitrary	Sine, Square, Ramp, Pulse, Noise, Arbitrary: Stairup, Stairdown, Positive Pulse, Negative Pulse, Up Ramp, Down Ramp, Sinc, Gaussian, LogFall, LogRise, Sqrt, TwoTone, etc
Sine Waves		
Frequency Range (Arbitrary)	2 μ Hz - 125 MHz	1 μ Hz - 160 MHz
Square Wave, Pulse (1 Vp-p)		
Frequency Range	2 μ Hz - 62.5 MHz	1 μ Hz - 50 MHz
Triangle		
Frequency Range	2 μ Hz - 31.25 MHz	1 μ Hz - 4 MHz
Ramp		
Frequency Range	2 μ Hz - 31.25 MHz	1 μ Hz - 4 MHz
Sinc (Sin(x)/x)		
Frequency Range	2 μ Hz - 15.5 MHz	NA
Waveform Sequencing		
Waveforms	All, From File, Arbitrary	All, From File, Arbitrary
Amplitude Resolution	< 1 mV	1 mV
Output Impedance	Selectable: 50 Ω , Low or High Impedance	Selectable: 50 Ω , Hi-Z
Skew Between Channels (at Common Sample Rate)		
Average (Typical)	< 300 ps	< 3 ns
Modulation		
Amplitude Modulation		
Modulation Type	Arbitrary, AM, ASK	AM, ASK
Carrier Waveform	All, From File, Arbitrary	Sine, Square, Ramp, Arbitrary (Except DC)
Modulating Waveforms	All, From File, Arbitrary	Sine, Square, Ramp, Arbitrary (2 mHz - 20 kHz)
Modulating Source	Internal	Internal / External
Modulating Waveform Sample Clock at Max. Sampling Rate	0.46 S/s - 125 MS/s	3.90625 MHz
Memory Size	2047 entries	4k x 12 bit
Phase/Frequency Modulation		
Modulation Type	Arbitrary, FM / PM, FSK, PSK	FM / PM, FSK
Carrier Waveform	All, From File, Arbitrary	Sine, Square, Ramp, Arbitrary (Except DC)
Modulating Waveforms	All, From File, Arbitrary	Sine, Square, Ramp, Arbitrary (2 mHz - 20 kHz)
Modulating Source	Internal	Internal / External
Pulse Width Modulation		
Carrier Waveform	Pulse	Pulse
Carrier Frequency	100 mHz - 20 MHz	500 μ Hz - 20 kHz
Duty Cycle Modulating Waveform	Sine, Triangle, Ramp, Noise, Manual	Sine, Square, Ramp, Arbitrary (Except DC)
Duty Cycle Modulating Frequency	10 μ Hz - 6.67 MHz	2 mHz - 20 kHz
Source	Internal	Internal / External
Pattern Generator Characteristics		
	Available on Arbstudio 1102D	
Number of Channels	18	N/A
Vector Memory Depth	1 Mpts / Ch	N/A
Acquisition Memory Depth	2 Mpts / Ch	N/A
Update Frequency	125 MS/s	N/A
Sampling Frequency	250 MS/s	N/A
Direction Control	Per Ch programmable	N/A
Output Voltage Level	1.2 V - 3.6 V	N/A
Trigger Levels	31	N/A
Operating Modes	18 Ch Digital or 2 Ch Analog	N/A

PROBES

The right probe is an essential tool for accurate signal capture and Teledyne LeCroy offers an extensive range of probes to meet virtually every probing need.

ZS Series High Impedance Active Probes

ZS4000, ZS2500,
ZS1500, ZS1000



The ZS Series probes provide high impedance and an extensive set of probe tips and ground accessories to handle a wide range of probing scenarios. The high 1 M Ω input resistance and low input capacitance mean this probe is ideal for all frequencies. The ZS Series probes provide full system bandwidth for all Teledyne LeCroy oscilloscopes having bandwidths of 4 GHz and lower.

Differential Probes (200 MHz – 1.5 GHz)

ZD1500, ZD1000,
ZD500, ZD200



High bandwidth, excellent common-mode rejection ratio (CMRR) and low noise make these active differential probes ideal for applications such as automotive development (e.g. FlexRay) and failure analysis, as well as wireless and data communication design. The ProBus interface allows sensitivity, offset and common-mode range to be displayed on the oscilloscope screen.

High Voltage Differential Probes

HVD3102, HVD3106,
HVD3106-6M, HVD3206,
HVD3605, AP031



HVD Series high voltage differential probes permit measurements on power electronics circuits with floating voltages without reference to the ground, allowing the oscilloscope to be safely grounded. Excellent CMRR is provided at high frequencies and is combined with low inherent noise, high offset voltage capabilities, and high DC gain accuracy to make them an ideal choice for probing high voltage and floating control signals in single and three-phase power electronics designs.

High Voltage Passive Probes

HVP120, PPE1.2KV, PPE2KV,
PPE4KV, PPE5KV, PPE6KV



High voltage probes are suitable for a wide range of applications where high-voltage measurements must be made safely and accurately. There are several fixed-attenuation probes covering a range from 1 kV to 6 kV and varying transient overvoltage ratings. All of these high voltage probes feature a spring loaded probe tip and a variety of standard accessories to make probing high voltages safe and easy. Additionally, all of the high voltage probe have a probe sense pin to automatically configure the oscilloscope for use with the probe.

Current Probes

CP030, CP030A,
CP031, CP031A,
CP150, CP500, DCS015



Available current probes reach bandwidths of 100 MHz, peak currents of 700 A and sensitivities of 1 mA/div. Use multiple current probes to make measurements on three-phase systems or a single current probe with a voltage probe to make instantaneous power measurements. Teledyne LeCroy current probes enable the design and testing of switching power supplies, motor drives, electric vehicles, and uninterruptible power supplies.

Probe Adapters

TPA10, CA10



Probe adapters provide simple and easy interface of third-party probes as well as change between the different Teledyne LeCroy Oscilloscope input and cable types (ProBus, ProLink, K/2.92 mm, BNC and SMA). Depending on the adapters, changing between the Teledyne LeCroy Oscilloscope's input type may have an effect on the overall performance of the channel.

ORDERING INFORMATION

Product Description Product Code

HDO4000 Oscilloscopes

200 MHz, 2.5 GS/s, 2 Ch, 12.5 Mpts/Ch 12-bit HD Oscilloscope with 12.1" Color WXGA Touch Display	HDO4022
200 MHz, 2.5 GS/s, 4 Ch, 12.5 Mpts/Ch 12-bit HD Oscilloscope with 12.1" Color WXGA Touch Display	HDO4024
350 MHz, 2.5 GS/s, 2 Ch, 12.5 Mpts/Ch 12-bit HD Oscilloscope with 12.1" Color WXGA Touch Display	HDO4032
350 MHz, 2.5 GS/s, 4 Ch, 12.5 Mpts/Ch 12-bit HD Oscilloscope with 12.1" Color WXGA Touch Display	HDO4034
500 MHz, 2.5 GS/s, 4 Ch, 12.5 Mpts/Ch 12-bit HD Oscilloscope with 12.1" Color WXGA Touch Display	HDO4054
1 GHz, 2.5 GS/s, 4 Ch, 12.5 Mpts/Ch 12-bit HD Oscilloscope with 12.1" Color WXGA Touch Display	HDO4104
200 MHz, 2.5 GS/s, 2+16ch, 12.5 Mpts/Ch 12-bit HD Mixed Signal Oscilloscope w/ 12.1" Color WXGA Display	HDO4022-MS
200 MHz, 2.5 GS/s, 4+16ch, 12.5 Mpts/Ch 12-bit HD Mixed Signal Oscilloscope w/ 12.1" Color WXGA Display	HDO4024-MS
350 MHz, 2.5 GS/s, 2+16ch, 12.5 Mpts/Ch 12-bit HD Mixed Signal Oscilloscope w/ 12.1" Color WXGA Display	HDO4032-MS
350 MHz, 2.5 GS/s, 4+16ch, 12.5 Mpts/Ch 12-bit HD Mixed Signal Oscilloscope w/ 12.1" Color WXGA Display	HDO4034-MS
500 MHz, 2.5 GS/s, 4+16ch, 12.5 Mpts/Ch 12-bit HD Mixed Signal Oscilloscope w/ 12.1" Color WXGA Display	HDO4054-MS
1 GHz, 2.5 GS/s, 4+16ch, 12.5 Mpts/Ch 12-bit HD Mixed Signal Oscilloscope w/ 12.1" Color WXGA Display	HDO4104-MS

WaveSurfer 10 Oscilloscopes

1 GHz, 5 GS/s, 4 Ch, 10 Mpts/Ch DSO with 10.4" Touch Screen Display. 10 GS/s, 20 Mpts Interleaved	WaveSurfer10
1 GHz, 10 GS/s, 4 Ch, 16 Mpts/Ch DSO with 10.4" Touch Screen Display. 10 GS/s, 32 Mpts Interleaved includes WS10-ADT option	WaveSurfer 10M

WaveSurfer 3000 Oscilloscopes

200 MHz, 4 GS/s, 2 Ch, 10 Mpts/Ch with 10.1" Touch screen Display	WaveSurfer 3022
200 MHz, 4 GS/s, 4 Ch, 10 Mpts/Ch with 10.1" Touch screen Display	WaveSurfer 3024
350 MHz, 4 GS/s, 4 Ch, 10 Mpts/Ch with 10.1" Touch screen Display	WaveSurfer 3034
500 MHz, 4 GS/s, 4 Ch, 10 Mpts/Ch with 10.1" Touch screen Display	WaveSurfer 3054
750 MHz, 4 GS/s, 4 Ch, 10 Mpts/Ch with 10.1" Touch screen Display	WaveSurfer 3074

WaveJet Touch Oscilloscopes

350 MHz, 1 GS/s, 4 Ch, 2.5 Mpts/Ch with 7.5" Touch screen Display; 2 GS/s, 5 Mpts Interleaved	WaveJet 334T
500 MHz, 1 GS/s, 4 Ch, 2.5 Mpts/Ch with 7.5" Touch screen Display; 2 GS/s, 5 Mpts Interleaved	WaveJet 354T

Product Description Product Code

WaveAce Oscilloscopes

40 MHz, 500 MS/s, 2 Ch, 1 Mpts/Ch with 7" Color WQVGA Display. 1 GS/s Interleaved, 1 M Ω Input	WaveAce 1001
60 MHz, 500 MS/s, 2 Ch, 1 Mpts/Ch with 7" Color WQVGA Display. 1 GS/s Interleaved, 1 M Ω Input	WaveAce 1002
100 MHz, 500 MS/s, 2 Ch, 1 Mpts/Ch with 7" Color WQVGA Display. 1 GS/s Interleaved, 1 M Ω Input	WaveAce 1012
70 MHz, 1 GS/s, 2 Ch, 12 kpts/Ch with 7" Color WQVGA Display. 24 kpts, 2 GS/s Interleaved, 1 M Ω Input	WaveAce 2002
70 MHz, 1 GS/s, 4 Ch, 12 kpts/Ch with 7" Color WQVGA Display. 24 kpts, 2 GS/s Interleaved, 1 M Ω Input	WaveAce 2004
100 MHz, 1 GS/s, 2 Ch, 12 kpts/Ch with 7" Color WQVGA Display. 24 kpts, 2 GS/s Interleaved, 1 M Ω Input	WaveAce 2012
100 MHz, 1 GS/s, 4 Ch, 12 kpts/Ch with 7" Color WQVGA Display. 24 kpts, 2 GS/s Interleaved, 1 M Ω Input	WaveAce 2014
200 MHz, 1 GS/s, 2 Ch, 12 kpts/Ch with 7" Color WQVGA Display. 24 kpts, 2 GS/s Interleaved, 50/1 M Ω Input	WaveAce 2022
200 MHz, 1 GS/s, 4 Ch, 12 kpts/Ch with 7" Color WQVGA Display. 24 kpts, 2 GS/s Interleaved, 50/1 M Ω Input	WaveAce 2024
300 MHz, 1 GS/s, 2 Ch, 12 kpts/Ch with 7" Color WQVGA Display. 24 kpts, 2 GS/s Interleaved, 50/1 M Ω Input	WaveAce 2032
300 MHz, 1 GS/s, 4 Ch, 12 kpts/Ch with 7" Color WQVGA Display. 24 kpts, 2 GS/s Interleaved, 50/1 M Ω Input	WaveAce 2034

Logic Studio Logic Analyzer

16 Channel, 1 GS/s, 100 MHz USB Logic Analyzer	LogicStudio 16
--	----------------

ArbStudio Arbitrary Waveform Generators

2 Ch 16-bit 1 GS/s Arbitrary Waveform Generator	ArbStudio 1102
2 Ch 16-bit 1 GS/s Arbitrary Waveform and Digital Pattern Generator	ArbStudio 1102D

WaveStation Function/Arbitrary Waveform Generators

10 MHz, 2 Ch, 14-bit, 125 MS/s Function/Arbitrary Waveform Generator with 3.5" Display	WaveStation 2012
25 MHz, 2 Ch, 14-bit, 125 MS/s Function/Arbitrary Waveform Generator with 3.5" Display	WaveStation 2022
50 MHz, 2 Ch, 14-bit, 125 MS/s Function/Arbitrary Waveform Generator with 3.5" Display	WaveStation 2052
80 MHz, 2 Ch, 14 bit, 500 MS/s Function/Arbitrary Waveform Generator with 4.3" Display	WaveStation 3082
120 MHz, 2 Ch, 14 bit, 500 MS/s Function/Arbitrary Waveform Generator with 4.3" Display	WaveStation 3122
160 MHz, 2 Ch, 14 bit, 500 MS/s Function/Arbitrary Waveform Generator with 4.3" Display	WaveStation 3162

ORDERING INFORMATION

Product Description	Product Code
Probes for HDO4000, WaveSurfer 10 and WaveSurfer 3000	
Passive Probes	
500 MHz 10:1, 10 M Ω Passive Probe for 1 GHz WaveSurfer 10 Oscilloscopes	PP011
250 MHz Passive Probe for HDO4000, 10:1, 10 M Ω	PP017
500 MHz Passive Probe for HDO4000, 10:1, 10 M Ω	PP018
250 MHz Passive Probe for WaveSurfer 3000, 10:1, 10 M Ω	PP019
500 MHz Passive Probe for WaveSurfer 3000, 10:1, 10 M Ω	PP020
Active Probes	
1.0 GHz, 0.9 pF, 1 M Ω Active Voltage Probe	ZS1000
1.5 GHz, 0.9 pF, 1 M Ω Active Voltage Probe	ZS1500
Differential Probes	
1kV, 25 MHz High Voltage Differential Probe	HVD3102
1kV, 25 MHz High Voltage Differential Probe without tip Accessories	HVD3102-NOACC
1,500 V, 80 MHz, High Voltage Differential Probe with 6m cable	HVD3106-6M
1,500 V, 120 MHz High-Voltage Differential Probe	HVD3106
1kV, 120 MHz High Voltage Differential Probe without tip Accessories	HVD3106-NOACC
2kV, 120 MHz High Voltage Differential Probe	HVD3206
6kV, 100 MHz High Voltage Differential Probe	HVD3605
200 MHz, 3.5 pF, 1 M Ω Active Differential Probe	ZD200
500 MHz, 1.0 pF, 1 M Ω Active Differential Probe	ZD500
1 GHz, 1.0 pF, 1 M Ω Active Differential Probe	ZD1000
1.5 GHz, 1.0 pF, 1 M Ω Active Differential Probe	ZD1500
Differential Amplifiers	
1 Ch, 100 MHz Differential Amplifier	DA1855A
100:1 or 10:1 Selectable, 250 MHz Passive Differential Probe Pair	DXC100A
Current Probes	
30 A; 50 MHz Current Probe – AC/DC; 30 A _{rms} ; 50 A _{peak} Pulse	CP030
30A; 50 MHz High Sensitivity Current Probe - AC/DC; 30 A _{rms} ; 50 A _{peak} Pulse	CP030A
30 A; 100 MHz Current Probe – AC/DC; 30 A _{rms} ; 50 A _{peak} Pulse	CP031
30A; 100 MHz High Sensitivity Current Probe - AC/DC; 30 A _{rms} ; 50 A _{peak} Pulse	CP031A
150 A; 10 MHz Current Probe – AC/DC; 150 A _{rms} ; 500 A _{peak} Pulse	CP150
500 A; 2 MHz Current Probe – AC/DC; 500 A _{rms} ; 700 A _{peak} Pulse	CP500
Deskew Calibration Source for Current and Differential Probes	DCS015
High-Voltage Probes	
100:1 400 MHz 50 M Ω 1 kV High-voltage Probe	HVP120
10:1/100:1 200/300 MHz 50 M Ω High-Voltage Probe 600 V/1.2 kV Max. Volt. DC	PPE1.2KV
100:1 400 MHz 50 M Ω 2 kV High-Voltage Probe	PPE2KV
100:1 400 MHz 50 M Ω 4 kV High-Voltage Probe	PPE4KV
1000:1 400 MHz 50 M Ω 5 kV High-Voltage Probe	PPE5KV
1000:1 400 MHz 50 M Ω 6 kV High-Voltage Probe	PPE6KV
Probe Adapters	
TekProbe to ProBus Probe Adapter	TPA10
Programmable Current Sensor to ProBus Adapter for use with third party current sensors	CA10

(Visit teledynelecroy.com for oscilloscope compatibility)

Product Description	Product Code
Probes for WaveJet Touch and WaveAce 1000 / 2000	
Passive Probes	
500 MHz 10:1, 10 M Ω Passive Probe for 350 MHz and 500 MHz WaveJet Touch Oscilloscopes	PP006A
300 MHz, 10:1, 10 M Ω Passive Probe for WaveAce Oscilloscopes	PP016
Differential Probes	
700 V, 15 MHz High-Voltage Differential Probe ($\div 10$, $\div 100$)	AP031
High-Voltage Probes	
400 MHz, High Voltage Passive Probe	HVP120
10:1/100:1 200/300 MHz 50 M Ω High-Voltage Probe 600 V/1.2 kV Max. Volt. DC	PPE1.2KV
100:1 400 MHz 50 M Ω 2 kV High-Voltage Probe	PPE2KV
100:1 400 MHz 50 M Ω 4 kV High-Voltage Probe	PPE4KV
1000:1 400 MHz 50 M Ω 5 kV High-Voltage Probe	PPE5KV
1000:1 400 MHz 50 M Ω 6 kV High-Voltage Probe	PPE6KV



1-800-5-LeCroy
teledynelecroy.com

Local sales offices are located throughout the world.
Visit our website to find the most convenient location.