LeCroy

Test & Measurement

For more information, please contact:

AUTHORIZED LeCroy DEALER

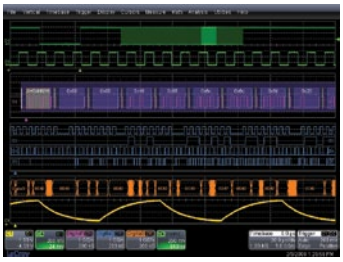
WAVESURFER® MXS-B & MSO MXS-B OSCILLOSCOPES

Engineered for Efficient Design and Debug

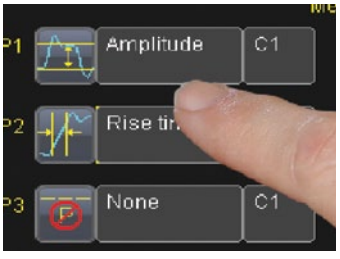
200 MHz – 1 GHz

The WaveSurfer MXs-B and MSO MXs-B 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.

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



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



Easily control all aspects of the WaveSurfer with the intuitive touch screen interface.

Learn More:
www.lecroy.com/wavesurfer

Equipped for Design and Debug

- Excellent performance - 10 GS/s and 32 Mpts of memory
- WaveStream™ fast update mode
- WaveScan™ search and find
- LabNotebook™ report generator
- MSO with 18 channels at 250 MHz
- 23 Automatic measurements with statistics and histicons

Wide Range of Serial Data Tools

- I^2C, SPI, UART
- CAN, LIN, FlexRay™
- USB 1.0/1.1/2.0, USB 2.0-HSIC
- Audio (I^2S, LJ, RJ, TDM)
- MIL-STD-1553, ARINC 429
- MIPI D-PHY, DigRF 3G, DigRF v4

Key Specifications	
Bandwidth	200 MHz, 400 MHz, 600 MHz, 1 GHz
Channels	2, 4, or 4 + 18
Memory	16 Mpts/Ch, 32 Mpts interleaved
Sample Rate	up to 10 GS/s
Connectivity	USB, LAN, GPIB
Display	10.4" SVGA with Touch Screen

Portable Performance for Debug and Validation

100 MHz – 500 MHz

The WaveJet 300A provides the performance and feature set to shorten debug time. A compact form factor and great connectivity make WaveJet the right tool for design, debug and verification.

Big Display, Small Footprint

A large 7.5" display and a form factor only 4" deep

Replay Mode

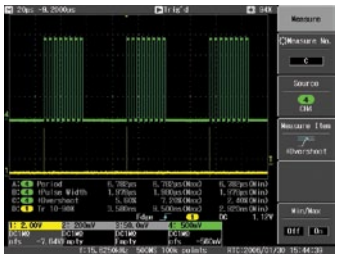
Isolate anomalies and see how a waveform has changed over time

Connectivity

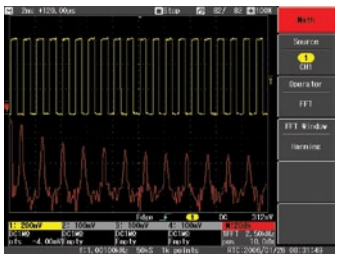
Remote control via USB, GPIB or LAN plus USB mass storage and printing

Math and Measure

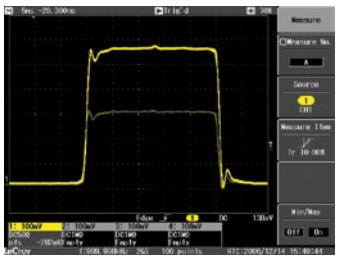
Basic math, FFT and 26 automatic measurement parameters



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



Perform mathematical analysis and make measurements on the resulting math trace.



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

Key Specifications	
Bandwidth	100 MHz, 200 MHz, 350 MHz, 500 MHz
Channels	2 or 4
Memory	500 kpts/Ch
Sample Rate	Up to 2 GS/s
Display	7.5" VGA
Connectivity	USB Host, USB Device, GPIB, LAN

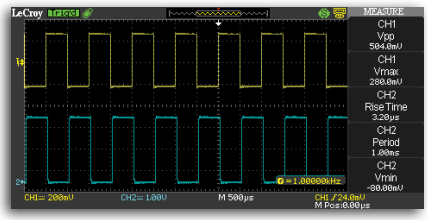
Learn More:
www.lecroy.com/wavejet

WAVEACE® OSCILLOSCOPES

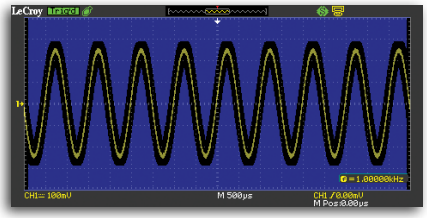
Debug with Confidence

40 MHz – 300 MHz

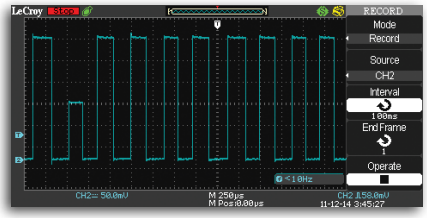
The WaveAce combines long memory, a color display, extensive measurement capabilities, advanced triggering and great connectivity to improve trouble shooting and shorten debug time.



32 parameters for making vertical, horizontal and delay measurements.



Pass/Fail mask testing can quickly identify problems.



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

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

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

Large Internal Storage

Save 20 waveforms and 20 setups to the internal WaveAce memory

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
Display	7” Bright Color Wide Display
Connectivity	USB Host, USB Device, LAN

Learn More:
www.lecroy.com/waveace

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

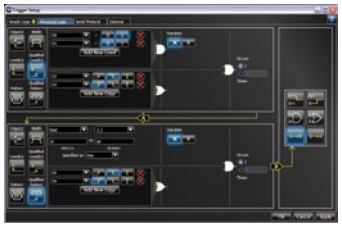
Mixed Signal

Turn your PC in to a MSO by connecting LogicStudio to any of ten popular oscilloscopes from LeCroy, Tektronix and Agilent

Serial Bus Decode and Trigger

Capture and decode I^2C, SPI and UART messages

View decoded protocol information for I^2C, 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 in to a MSO by connecting LogicStudio to any of ten popular oscilloscopes from LeCroy, Tektronix and Agilent.

Key Specifications	
Minimum Detectable 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^2C, SPI, UART

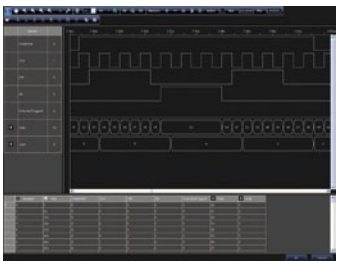
Try It For Free at :
www.lecroy.com/logicstudio

ARBSTUDIO™

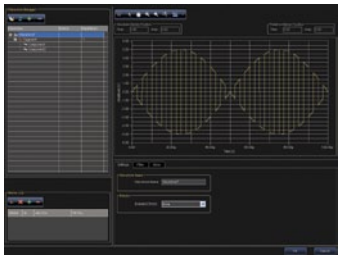
Powerful, Versatile Waveform Creation

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.

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



Create digital waveforms, patterns and busses of up to 36 channels and output analog and digital waveforms simultaneously.



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

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

Multi-unit Synchronization

Connect up to 8 ArbStudio units and generate 32 synchronous analog channels

Key Specifications	
Bandwidth	125 MHz
Channels	2, 4, 2 + 18, 4 + 36
Memory	2 Mpts/Ch
Sample Rate	1 GS/s
Vertical Resolution	16-bit

Try It For Free at:
www.lecroy.com/arbstudio

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.

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.

Variety of Modulation Schemes

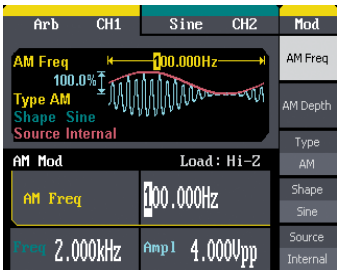
Built-in modulation capabilities, such as, AM, PM, FM, ASK, PSK and FSK.

Simple, Fast Waveform Creation

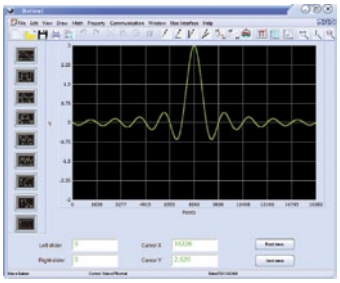
Quickly access functions from the front panel, view created waveforms and waveform parameters on the display.

Connectivity and Communication

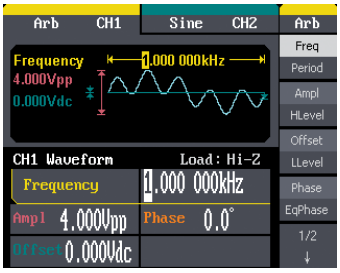
USB and GPIB for simple remote control, automation and saving data.



View the modulated waveform on the display and see how it changes when varying the output frequency and carrier waveform.



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



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

Key Specifications	
Bandwidth	10 MHz, 25 MHz, 50 MHz
Channels	2
Memory	16 kpts/ch
Sample Rate	125 MS/s
Vertical Resolution	14-bit

Learn more:
www.lecroy.com/wavestation

ORDERING INFORMATION

Product Description	Product Code
WaveSurfer MXs-B Oscilloscopes	
200 MHz, 2.5 GS/s, 4 Ch, 16 Mpts/Ch DSO with 10.4" Color Touch Screen Display. 32 Mpts Interleaved	WaveSurfer 24MXs-B
400 MHz, 5 GS/s, 2 Ch, 16 Mpts/Ch DSO with 10.4" Color Touch Screen Display. 32 Mpts Interleaved	WaveSurfer 42MXs-B
400 MHz, 5 GS/s, 4 Ch, 16 Mpts/Ch DSO with 10.4" Color Touch Screen Display. 32 Mpts Interleaved	WaveSurfer 44MXs-B
600 MHz, 5 GS/s, 2 Ch, 16 Mpts/Ch DSO with 10.4" Color Touch Screen Display. 10 GS/s, 32 Mpts Interleaved	WaveSurfer 62MXs-B
600 MHz, 5 GS/s, 4 Ch, 16 Mpts/Ch DSO with 10.4" Color Touch Screen Display. 10 GS/s, 32 Mpts Interleaved	WaveSurfer 64MXs-B
1 GHz, 5 GS/s, 4 Ch, 16 Mpts/Ch DSO with 10.4" Color Touch Screen Display.10 GS/s, 32 Mpts Interleaved	WaveSurfer 104MXs-B
400 MHz, 5 GS/s, 4+18 Ch, 16 Mpts/Ch MSO with 10.4" Color Touch Screen Display. 32 Mpts Interleaved	MSO 44MXs-B
600 MHz, 5 GS/s, 4+18 Ch, 16 Mpts/Ch MSO with 10.4" Color Touch Screen Display. 10 GS/s, 32 Mpts Interleaved	MSO 64MXs-B
1 GHz, 5 GS/s, 4+18 Ch, 16 Mpts/Ch MSO with 10.4" Color Touch Screen Display. 10 GS/s, 32 Mpts Interleaved	MSO 104MXs-B
WaveJet Oscilloscopes	
500 MHz, 1 GS/s, 4 Ch, 500 kpts/Ch with 7.5" Color Display. 2 GS/s Interleaved	WaveJet 354A
500 MHz, 1 GS/s, 2 Ch, 500 kpts/Ch with 7.5" Color Display. 2 GS/s Interleaved	WaveJet 352A
350 MHz, 1 GS/s, 4 Ch, 500 kpts/Ch with 7.5" Color Display. 2 GS/s Interleaved	WaveJet 334A
350 MHz, 1 GS/s, 2 Ch, 500 kpts/Ch with 7.5" Color Display. 2 GS/s Interleaved	WaveJet 332A
200 MHz, 1 GS/s, 4 Ch, 500 kpts/Ch with 7.5" Color Display. 2 GS/s Interleaved	WaveJet 324A
200 MHz, 1 GS/s, 2 Ch, 500 kpts/Ch with 7.5" Color Display. 2 GS/s Interleaved	WaveJet 322A
100 MHz, 1 GS/s, 4 Ch, 500 kpts/Ch with 7.5" Color Display	WaveJet 314A
100 MHz, 1 GS/s, 2 Ch, 500 kpts/Ch with 7.5" Color Display	WaveJet 312A

Product Description	Product Code
WaveAce Oscilloscopes	
40 MHz, 500 MS/s, 2 Ch, 1 Mpts/Ch with 7" Color Display. 1 GS/s Interleaved, 1 MΩ Input	WaveAce 1001
60 MHz, 500 MS/s, 2 Ch, 1 Mpts/Ch with 7" Color Display. 1 GS/s Interleaved, 1 MΩ Input	WaveAce 1002
100 MHz, 500 MS/s, 2 Ch, 1 Mpts/Ch with 7" Color Display. 1 GS/s Interleaved, 1 MΩ Input	WaveAce 1012
70 MHz, 1 GS/s, 2 Ch, 12 kpts/Ch with 7" Color Display. 24 kpts, 2 GS/s Interleaved, 1 MΩ Input	WaveAce 2002
70 MHz, 1 GS/s, 4 Ch, 12 kpts/Ch with 7" Color Display. 24 kpts, 2 GS/s Interleaved, 1 MΩ Input	WaveAce 2004
100 MHz, 1 GS/s, 2 Ch, 12 kpts/Ch with 7" Color Display. 24 kpts, 2 GS/s Interleaved, 1 MΩ Input	WaveAce 2012
100 MHz, 1 GS/s, 4 Ch, 12 kpts/Ch with 7" Color Display. 24 kpts, 2 GS/s Interleaved, 1 MΩ Input	WaveAce 2014
200 MHz, 1 GS/s, 2 Ch, 12 kpts/Ch with 7" Color Display. 24 kpts, 2 GS/s Interleaved, 50/1 MΩ Input	WaveAce 2022
200 MHz, 1 GS/s, 4 Ch, 12 kpts/Ch with 7" Color Display. 24 kpts, 2 GS/s Interleaved, 50/1 MΩ Input	WaveAce 2024
300 MHz, 1 GS/s, 2 Ch, 12 kpts/Ch with 7" Color Display. 24 kpts, 2 GS/s Interleaved, 50/1 MΩ Input	WaveAce 2032
300 MHz, 1 GS/s, 4 Ch, 12 kpts/Ch with 7" Color Display. 24 kpts, 2 GS/s Interleaved,50/1 MΩ 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
4 Ch 16-bit 1 GS/s Arbitrary Waveform Generator	ArbStudio 1104
4 Ch 16-bit 1 GS/s Arbitrary Waveform and Digital Pattern Generator	ArbStudio 1104D
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

LeCroy 1-800-5-LeCroy www.lecroy.com

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