The WaveSurfer Oscilloscope — It’s an Original

Expect to Make Waves.

The WaveSurfer® 400 Series Oscilloscope

Large 10.4” LED touch screen
Long capture time
Extensive communication capabilities

WaveSurfer Specifications

Product Code | Ordering Information
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WaveSurfer 422 | WaveSurfer 422
WaveSurfer 432 | WaveSurfer 432
WaveSurfer 452 | WaveSurfer 452
WaveSurfer 434 | WaveSurfer 434
WaveSurfer 454 | WaveSurfer 454

Available from:

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The WaveSurfer Oscilloscope – It’s an Original

From its large 10.4” LCD touch screen to its space-saving small footprint, the WaveSurfer oscilloscope is a radical rethinking of the basic bench scope. It breaks the rules of conventional scope design to deliver dramatically improved signal viewing, 100x the capture time, and up-to-the-minute connectivity capabilities. But more importantly, it’s designed for the way you like to work - big, sharp images of your signal, a simple, easy-to-use interface and a strong tool set for testing and debugging. Bottom line? It’s not only a great fit for your bench, it’s a perfect match for your budget.

So Much to See

The WaveSurfer 400 Series’ 10.4” display is 2-1/2 times the size of the 6.4” screens found on competitive oscilloscopes. And its 6” deep footprint eliminates the space penalty that comes with conventional oscilloscopes. Just looking at the screen you can see the improvement – the 10.4” x 800x600 display beats exceptional brightness and a wide viewing angle. Signal details are clearer than ever. And you know that when you can see the signal, you can come up with the solution. That’s what the WaveSurfer 400 Series oscilloscope is all about.

Long capture time

Large screens show the detail – if you can capture it. The WaveSurfer oscilloscope provides all the detail you need by delivering more than 100x the capture time at full sample rate compared to other oscilloscopes in its class. It effectively eliminates the trade-off between high sample rate and long capture times. This high sample rate is especially important when capturing a mix of signals that are spaced widely apart in time, or when you require a long pre-trigger time. This means that the WaveSurfer 400 Series oscilloscope beats short-memory triggers when it comes to the debugging of common circuit problems like clock/data issues and timing errors.

Communicate all the ways you want

Your list of connectivity options is extensive – from the front mounted USB port for your memory stick to the drive or a network drive, email other engineers, or send images to the printer, the WaveSurfer 400 Series oscilloscope gives you the flexibility to manage your communications easily and effectively.

The WaveSurfer 400 Series offers:
- Advanced Trigger Software Package
- MultiSurfer
- ET-PMT Electrical Testing
- Advanced math functions, chained math functions, menus of units, and enhanced FFT capability.
- WS-LOCKOUT-BUS Operating System Lockout Option for Businesses
- WS-MATHSURF Extended Math Software Package
- WS-ET-PMT Economic Telecom Mask Test Software Package
- WS-RMA-25 Rackmount Ears Kit
- WS-MS-CLAMP Mounting Stand – Desktop Clamp Style (includes WS-MB mounting bracket)
- WS-MB Mounting Bracket Only – 100 mm Square
- WS-DCADAP 12-28 Vdc Input DC-DC Converter
- PP007-WS-1, ÷10 HiZ 500 MHz Passive Probe
- MS-32 Mixed Signal Option
- MS-62 Mixed Signal Option*
**One Touch Access to 23 Measurements**

The WaveSurfer 400 Series oscilloscope fits your working style as comfortably as it fits your bench. Twenty-three basic measurements have been built in to give you quick answers.

1. Access the measure menu from the front panel.
2. Select your measurement (and source, as necessary).
3. Measurements appear automatically below the grid and never obscure your signals.

**Smooth Cursor Control**

You can use dedicated front panel cursor knobs to position your cursors at any time without invoking special menus. You can quickly choose your cursor by using the "type" button. Then apply them to any signal, zoom or math trace. You won’t find an easier-to-use set of cursors on any other oscilloscope.

**Simple Zooming and Math**

Zooming is so easy with this scope — simply draw a box around the area to be zoomed (or use the front panel QuickZoom button). Waveform math is also built in and easily applied. In addition, a power spectrum FFT is standard. It can be quickly invoked and easily set up, even by someone not familiar with FFTs.

**Try our Zero Footprint**

The WaveSurfer 400 Series desktop clamp-style mounting system attaches to the edge of your bench and frees up valuable working space. Viewing positions can be changed easily up to a maximum range of 23" (58 cm). The scope can also be pivoted to achieve the optimal viewing angle. Or purchase just a mounting bracket and provide your own 75 x 75 mm mounting solution.

Desktop clamp-style mounting stand is available as an accessory.

www.lecroy.com/goto/wavesurfer/tour

www.lecroy.com/goto/wavesurfer/display