TELEDYNE LECROY
Everywhereyoulook™

WaveSurfer® MXs-B and MSO MXs-B Oscilloscopes

Engineered for Efficient Design and Debug

200 MHz – 1 GHz



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

- **Speed and Performance** — 10 GS/s and 32 Mpts with a responsive user interface and fast updating math and measurement tools
- **WaveScan** — quickly search analog or digital waveforms for runts, glitches or other anomalies
- **Touch Screen** — easily configure Channels, time base, trigger and all functions with the intuitive, efficient touch screen interface
- **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

For more information, please contact:

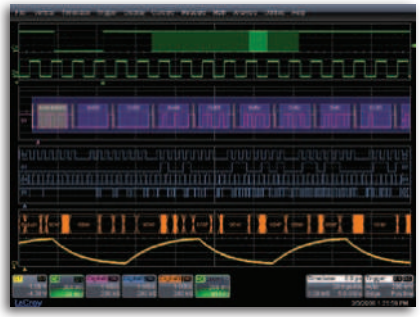
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WaveSurfer® MXs-B and MSO MXs-B Oscilloscopes



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.



Ordering Information

Model	Bandwidth	Channels	Memory (Per Ch/Interleaved)	Sample Rate (Per Ch / Interleaved)
WaveSurfer 24MXs-B	200 MHz	4	16 Mpts / 32 Mpts	2.5 GS/s
WaveSurfer 44MXs-B	400 MHz	4	16 Mpts / 32 Mpts	5 GS/s
MSO 44MXs-B	400 MHz	4 + 18	16 Mpts / 32 Mpts	5 GS/s
WaveSurfer 64MXs-B	600 MHz	4	16 Mpts / 32 Mpts	5 GS/s / 10 GS/s
MSO 64MXs-B	600 MHz	4 + 18	16 Mpts / 32 Mpts	5 GS/s / 10 GS/s
WaveSurfer 104MXs-B	1 GHz	4	16 Mpts / 32 Mpts	5 GS/s / 10 GS/s
MSO 104MXs-B	1 GHz	4 + 18	16 Mpts / 32 Mpts	5 GS/s / 10 GS/s

Available Probes

Single-Ended

ZS1500	1.5 GHz, 0.9 pF, 1 MΩ High Impedance Active Probe
ZS1000	1 GHz, 0.9 pF, 1 MΩ High Impedance Active Probe

Differential

ADP300	1,400 V, 20 MHz High-Voltage Differential Probe
ADP305	1,400 V, 100 MHz High-Voltage Differential Probe
ZD200	200 MHz Active Differential Probe
ZD500	500 MHz Active Differential Probe
ZD1000	1 GHz Active Differential Probe
ZD1500	1.5 GHz Active Differential Probe

Differential Amplifiers

DA1855A	1 Ch, 100 MHz Differential Amplifier

High-Voltage

PPE1.2KV	10:1/100:1 200/300 MHz 50 MΩ High-Voltage Probe 600V/1.2kV Max. Volt. DC
PPE2KV	100:1 400 MHz 50 MΩ 2 kV High-Voltage Probe
PPE4KV	100:1 400 MHz 50 MΩ 4kV High-Voltage Probe
PPE5KV	1000:1 400 MHz 50 MΩ 5 kV High-Voltage Probe
PPE6KV	1000:1 400 MHz 50 MΩ 6 kV High-Voltage Probe

Current

AP015	30 A; 50 MHz Current Probe – AC/DC; 30 A_{rms}; 50 A_{peak} Pulse
CP030	30 A; 50 MHz Current Probe – AC/DC; 30 A_{rms}; 50 A_{peak} Pulse
CP031	30 A; 100 MHz Current Probe – AC/DC; 30 A_{rms}; 50 A_{peak} Pulse
CP150	150 A; 10 MHz Current Probe – AC/DC; 150 A_{rms}; 50 A_{peak} Pulse
CP500	500 A; 2 MHz Current Probe – AC/DC; 500 A_{rms}; 700 A_{peak} Pulse

Excellent Performance

- 200 MHz, 400 MHz, 600 MHz and 1 GHz bandwidths
- 10 GS/s maximum sample rate
- 16 Mpts/Ch, 32 Mpts interleaved

Rich Feature Set

- WaveStream™ fast update mode
- WaveScan™ search and find
- LabNotebook™ documentation and report generator

Wide Range of Serial Data Tools

- I^2C, SPI, UART
- CAN, LIN, FlexRay™, SENT
- 10/100Base T ENET, 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
- Manchester, NRZ