# Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!
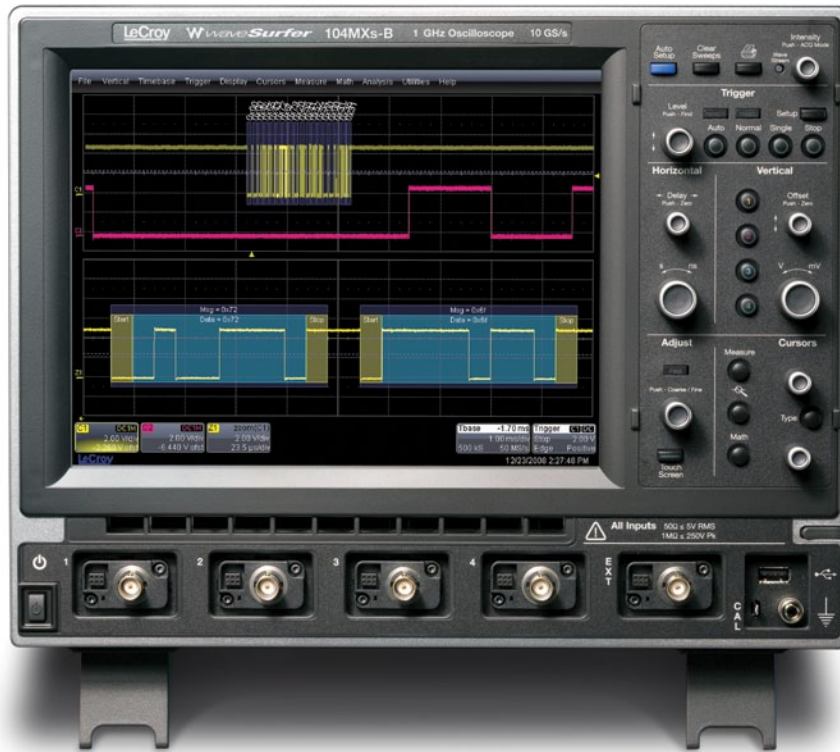
## Contact us

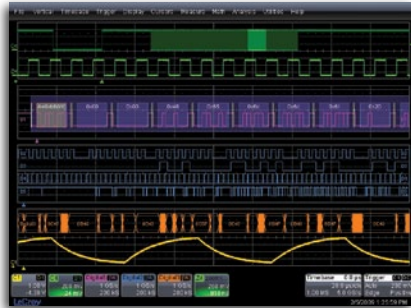## Engineered for Efficient Design and Debug

### 200 MHz – 1 GHz

- **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

| 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 |

**For more information, please contact:**

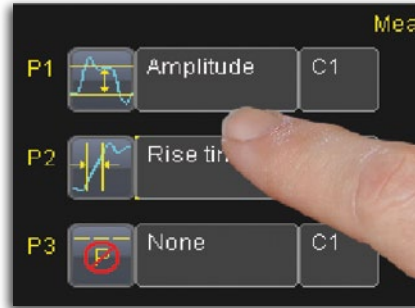# WaveSurfer MXs-B and MSO MXs-B Oscilloscopes



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 42MXs-B | 400 MHz | 2 | 16 Mpts / 32 Mpts | 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 62MXs-B | 600 MHz | 2 | 16 Mpts / 32 Mpts | 5 GS/s / 10 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**

| | |
|---|---|
| DA185A | 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 |
| PPE20KV | 1000:1 100 MHz 50 MΩ High-Voltage Probe 20kV Max. Volt. DC + 40kV Peak AC |

**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
– I²C, SPI, UART
– CAN, LIN, FlexRay™
– USB 1.0/1.1/2.0, USB 2.0 HSIC
– Audio (I²S, LJ, RJ, TDM)
– MIL-STD-1553, ARINC 429
– MIPI D-PHY, DigRF 3G, DigRF v4