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Data Sheet

August 3, 2026

LECROY

Lecroy 104MXs-B WaveSurfer Mixed Signal Oscilloscope, 1GHz, 4 Channel

No photo

MODEL LeCroy 104MXS-B	CALIBRATION N/A — off-catalog OEM datasheet
CONDITION See OEM documentation	STATUS Not listed on Aumictech inventory
RFQ / SKU 104MXS-B	LISTING Off-catalog — OEM datasheet only

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

Features & description

From manufacturer datasheet

Features

- Bandwidth: 1 GHz (@ 50 Ω)
- Channels: 4 analog (MSO 104MXs-B: 4 + 18 digital)
- Sample rate: 5 GS/s (10 GS/s interleaved)
- Memory: 16 Mpts/Ch; 32 Mpts interleaved
- Rise time: 350 ps
- Vertical resolution: 8 bits
- Connectivity: USB, LAN, GPIB

104MXSB Characteristics / Specifications

PARAMETER	VALUE
Model	WaveSurfer 104MXs-B (MSO 104MXs-B when digital equipped)
Manufacturer	Teledyne LeCroy
Instrument Type	Digital / Mixed Signal Oscilloscope
Alias	104MXs-B; WaveSurfer 104MXs-B; MSO 104MXs-B Analog Vertical
Rise Time	350 ps
Input Channels	4
Vertical Sensitivity	2 mV/div–10 V/div (1 M Ω); 2 mV/div–1 V/div (50 Ω)
DC Gain Accuracy	$\pm 1.0\%$ FS typical; $\pm 1.5\%$ FS ≥ 10 mV/div warranted
Max Input	50 Ω : 5 Vrms; 1 M Ω : 250 V max (DC+Peak AC ≤ 10 kHz) for 1 GHz models
Input Impedance	1 M Ω 16 pF or 50 Ω Acquisition
Sample Rate (Repetitive)	50 GS/s
Record Length	16 Mpts/Ch all channels; 32 Mpts interleaved
Capture Time	Up to 3.2 ms at full sample rate on four channels
Time Base	200 ps/div–1000 s/div
Time Base Accuracy	≤ 5 ppm @ 25 $^{\circ}\text{C}$ typical (≤ 10 ppm @ 5–40 $^{\circ}\text{C}$) Digital (MSO 104MXs-B)
Channels	4 analog (MSO 104MXs-B: 4 + 18 digital)
Sample Rate	1 GS/s; Record Length: 10 Mpts/Ch
Min Detectable Pulse	2 ns; Max Input Frequency: 250 MHz Operational Notes WaveSurfer 104MXs-B = 4-ch DSO; MSO 104MXs-B = 4+18. Prefer WaveSurfer MXs-B datasheet.
Bandwidth	1 GHz (@ 50 Ω)
Memory	16 Mpts/Ch; 32 Mpts interleaved
Vertical resolution	8 bits
Connectivity	USB, LAN, GPIB

104MXSB Specifications

PARAMETER	VALUE
Applications	General-purpose 1 GHz debug; embedded multi-channel capture; optional MSO digital timing correlation.
Key Features	- Bandwidth: 1 GHz (@ 50 Ω)
Technical Specifications	Model: WaveSurfer 104MXs-B (MSO 104MXs-B when digital equipped)
Analog Vertical	Bandwidth (@ 50 Ω): 1 GHz
Acquisition	Sample Rate (Single-shot): 5 GS/s (10 GS/s interleaved)
Operational Notes	WaveSurfer 104MXs-B = 4-ch DSO; MSO 104MXs-B = 4+18. Prefer WaveSurfer MXs-B datasheet.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications

PARAMETER	VALUE
Model	WaveSurfer 104MXs-B (MSO 104MXs-B when digital equipped)
Manufacturer	Teledyne LeCroy
Instrument Type	Digital / Mixed Signal Oscilloscope
Alias	104MXs-B; WaveSurfer 104MXs-B; MSO 104MXs-B

Specifications

PARAMETER	VALUE
Analog Vertical	Bandwidth (@ 50 Ω): 1 GHz
Rise Time	350 ps
Input Channels	4
Vertical Sensitivity	2 mV/div-10 V/div (1 MΩ); 2 mV/div-1 V/div (50 Ω)
DC Gain Accuracy	±1.0% FS typical; ±1.5% FS ≥10 mV/div warranted
Max Input	50 Ω: 5 Vrms; 1 MΩ: 250 V max (DC+Peak AC ≤10 kHz) for 1 GHz models
Input Impedance	1 MΩ 16 pF or 50 Ω

Acquisition
Sample Rate (Single-shot): 5 GS/s (10 GS/s interleaved)

Specifications

PARAMETER	VALUE
Sample Rate (Repetitive)	50 GS/s
Record Length	16 Mpts/Ch all channels; 32 Mpts interleaved
Capture Time	Up to 3.2 ms at full sample rate on four channels
Time Base	200 ps/div-1000 s/div
Time Base Accuracy	≤5 ppm @ 25 °C typical (≤10 ppm @ 5-40 °C)

Digital (MSO 104MXs-B)

Specifications

PARAMETER	VALUE
Channels	18
Sample Rate	1 GS/s; Record Length: 10 Mpts/Ch
Min Detectable Pulse	2 ns; Max Input Frequency: 250 MHz

Operational Notes
WaveSurfer 104MXs-B = 4-ch DSO; MSO 104MXs-B = 4+18. Prefer WaveSurfer MXs-B datasheet.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.