



MSO MXs-B



WaveSurfer MXs-B



WaveJet 300A



WaveAce 2000



WaveAce 1000

	MSO MXs-B	WaveSurfer MXs-B	WaveJet 300A	WaveAce 2000	WaveAce 1000
Bandwidth	400 MHz to 1 GHz	200 MHz to 1 GHz	100 MHz to 500 MHz	70 MHz to 300 MHz	40 MHz to 100 MHz
Rise Time	875 ps to 300 ps	1.75 ns to 300 ps	3.5 ns to 750 ps	5.0 ns to 1.2 ns	8.8 ns to 3.5 ns
Channels	4 + 18	4	2, 4	2, 4	2
Display	10.4" Color SVGA Touch Screen	10.4" Color SVGA Touch Screen	7.5" Color VGA	7" Color Wide VGA	7" Color Wide QVGA
Memory	16 Mpts/Ch 32 Mpts Interleaved	16 Mpts/Ch 32 Mpts Interleaved	500 kpts/Ch	12 kpts/Ch 24 kpts Interleaved	1 Mpts/Ch 2 Mpts Interleaved
Sample Rate	2.5 GS/s to 10 GS/s	2.5 GS/s to 10 GS/s	1 GS/s to 2 GS/s	1 GS/s to 2 GS/s	500 MS/s to 1 GS/s
MSO Characteristics	250 MHz, 1 GS/s	–	–	–	–
Trigger Types	Edge, Width, Glitch, Pattern, Video, HDTV, Runt, Slew Rate, Interval (Period), Dropout, Qualified	Edge, Width, Glitch, Pattern, Video, HDTV, Runt, Slew Rate, Interval (Period), Dropout, Qualified	Edge, Width, Video, Interval (Period), Pulse Count	Edge, Width, Video, Slope, Alternate	Edge, Width, Video, Slope, Alternate
Serial Trigger and Decode¹	I ² C, SPI, UART, RS-232, CAN, LIN, FlexRay, Audio, MIL-STD-1553, D-PHY, ARINC 429, DigRF 3G, DigRF v4, USB 1.0/1.1/2.0, USB 2.0-HSIC	I ² C, SPI, UART, RS-232, CAN, LIN, FlexRay, Audio, MIL-STD-1553, D-PHY, ARINC 429, DigRF 3G, DigRF v4, USB 1.0/1.1/2.0, USB 2.0-HSIC	–	–	–
Connectivity and Storage	USB Host for Storage LAN for PC GPIO for PC ¹	USB Host for Storage LAN for PC GPIO for PC ¹	USB Host for Storage USB Device for PC LAN for PC ¹ GPIO for PC ¹	USB Host for Storage USB Device for PC LAN for PC	USB Host for Storage USB Device for PC
Math	+ , - , x , / , FFT, Absolute Value, Average, Derivative, Envelope, Enhanced Resolution, Floor, Integral, Invert, Reciprocal, Roof, Square, Square Root	+ , - , x , / , FFT, Absolute Value, Average, Derivative, Envelope, Enhanced Resolution, Floor, Integral, Invert, Reciprocal, Roof, Square, Square Root	+ , - , x , FFT	+ , - , x , / , FFT	+ , - , x , / , FFT
Dimensions (HWD)	260 x 340 x 152 mm (10.25" x 13.4" x 6")	260 x 340 x 152 mm (10.25" x 13.4" x 6")	190 x 295 x 102 mm (7.5" x 11.2" x 4")	163 x 360 x 124.1 mm (6.42" x 14.17" x 4.89")	163 x 313 x 115.8 mm (6.42" x 12.32" x 4.6")
Weight	7.26 kg (16.0 lbs)	7.26 kg (16.0 lbs)	3.2 kg (7.0 lbs)	3.33 kg (7.40 lbs)	2.78 kg (6.10 lbs)

For more information, please contact:



¹ Optional ² 4 ch models only ³ 2 ch models only

WaveSurfer® MXs-B and MSO MXs-B Options and Accessories

WSXs-EMB	I ² C, SPI and UART Trigger and Decode Option
WSXs-I2Cbus TD	I ² C Trigger and Decode Option
WSXs-SPIbus TD	SPI Trigger and Decode Option
WSXs-UART-RS232bus TD	UART and RS-232 Trigger and Decode Option
WSXs-AUTO	CAN, LIN and FlexRay Trigger and Decode Option
WSXs-CANbus TD	CAN Trigger and Decode Option
WSXs-LINbus TD	LIN Trigger and Decode Option
WSXs-FlexRaybus TD	FlexRay Trigger and Decode Option
WSXs-Audiobus TD	Audiobus Trigger and Decode Option
WSXs-1553 TD	MIL-STD-1553 Trigger and Decode Option
WSXs-ARINC429bus DSymbolic	ARINC 429 Symbolic Decode Option
WSXs-USB2bus D	USB 2.0 Decode Option
WSXs-USB2-HSICbus D	USB2-HSIC Decode Option
WSXs-DPHYbus D	D-PHY Decode Option
WSXs-DigRF3Gbus D	DigRF 3G Decode Option
WSXs-DigRFv4bus D	DigRF v4 Decode Option
WSXs-ET-PMT	Electrical Telecom Mask Test
WS-GPIB	External GPIB Accessory
WSXs-HARDCASE	Hard Carrying Case
WSXs-SOFTCASE	Soft Carrying Case
WSXs-RACK	Rack Mount Accessory
WSXs-POUCH	Accessory Pouch
WSXs-MS-CLAMP	Clamp Mounting Stand

Probes for WaveSurfer MXs-B and MSO MXs-B

Passive Probes

PP011	500 MHz 10:1, 10 M Ω Passive Probe for 1 GHz Oscilloscopes
PP009	500 MHz 10:1, 10 M Ω Passive Probe for 200 MHz, 400 MHz and 600 MHz Oscilloscopes

Active Probes

ZS1000	1.0 GHz, 0.9 pF, 1 M Ω Active Voltage Probe
ZS1500	1.5 GHz, 0.9 pF, 1 M Ω Active Voltage Probe
ZS1000-QUADPAK	1.0 GHz, 0.9 pF, 1 M Ω Active Voltage Probe (Set of 4)
ZS1500-QUADPAK	1.5 GHz, 0.9 pF, 1 M Ω Active Voltage Probe (Set of 4)

Differential Probes

ADP300	1,400 V, 20 MHz High-Voltage Differential Probe
ADP305	1,400 V, 100 MHz High-Voltage Differential Probe
ZD200	200 MHz, 3.5 pF, 1 M Ω Active Diff. Probe
ZD500	500 MHz, 1.0 pF, 1 M Ω Active Diff. Probe
ZD1000	1 GHz, 1.0 pF, 1 M Ω Active Diff. Probe
ZD1500	1.5 GHz, 1.0 pF, 1 M Ω Active Diff. Probe

Current Probes

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} ; 500 A _{peak} Pulse
CP500	500 A; 2 MHz Current Probe – AC/DC; 500 A _{rms} ; 700 A _{peak} Pulse
DCS015	Deskew Calibration Source for Current and Differential Probes

Probes for WaveSurfer MXs-B and MSO MXs-B (cont'd)

High-Voltage Probes

PPE1.2KV	10:1/100:1 200/300 MHz 50 M Ω High-Voltage Probe 600 V/1.2 kV Max. Volt. DC
PPE2KV	100:1 400 MHz 50 M Ω 2 kV High-Voltage Probe
PPE4KV	100:1 400 MHz 50 M Ω 4 kV High-Voltage Probe
PPE5KV	1000:1 400 MHz 50 M Ω 5 kV High-Voltage Probe
PPE6KV	1000:1 400 MHz 50 M Ω 6 kV High-Voltage Probe
PPE20KV	1000:1 100 MHz 50 M Ω High-Voltage Probe 20 kV Max. Volt. DC + 40 kV Peak AC

Passive Probes

PP011	500 MHz 10:1, 10 M Ω Passive Probe for 1 GHz Oscilloscopes
PP009	500 MHz 10:1, 10 M Ω Passive Probe for 200 MHz, 400 MHz and 600 MHz Oscilloscopes

WaveJet™ 300A Options and Accessories

WJ-A-LAN	10/100Base-T Interface
WJ-A-GPIB	GPIB Interface
WJ-CASE	Carrying Case and Protective Front Cover
WJ-RACK	Rack Mount Accessory
LogicStudio 16	16 Channel, 1 GS/s, 100 MHz USB Logic Analyzer

Probes for WaveJet 300A

Passive Probes

PP005A	500 MHz 10:1, 10 M Ω Passive Probe for 350 MHz and 500 MHz Oscilloscopes
PP010	200 MHz 10:1, 10 M Ω Passive Probe for 100 MHz and 200 MHz Oscilloscopes

Differential Probes

AP031	700 V, 15 MHz High-Voltage Differential Probe ($\div 10$, $\div 100$)
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High-Voltage Probes

PPE1.2KV	10:1/100:1 200/300 MHz 50 M Ω High-Voltage Probe 600 V/1.2 kV Max. Volt. DC
PPE2KV	100:1 400 MHz 50 M Ω 2 kV High-Voltage Probe
PPE4KV	100:1 400 MHz M Ω 4 kV High-Voltage Probe
PPE5KV	1000:1 400 MHz M Ω 5 kV High-Voltage Probe
PPE6KV	1000:1 400 MHz M Ω 6 kV High-Voltage Probe
PPE20KV	1000:1 100 MHz M Ω High-Voltage Probe 20 kV Max. Volt. DC + 40 kV Peak AC

WaveAce™ 100 and 200 Options and Accessories

WA-SOFTCASE	Soft Carrying Case
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Probes for WaveAce 100 and 200

Passive Probes

PP016	300 MHz 10:1/1:1 10 M Ω /1 M Ω Passive Probe
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Differential Probes

AP031	700 V, 15 MHz High-Voltage Differential Probe ($\div 10$, $\div 100$)
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High-Voltage Probes

PPE1.2KV	10:1/100:1 200/300 MHz 50 M Ω High-Voltage Probe 600 V/1.2 kV Max. Volt. DC
PPE2KV	100:1 400 MHz 50 M Ω 2 kV High-Voltage Probe
PPE4KV	100:1 400 MHz 50 M Ω 4 kV High-Voltage Probe
PPE5KV	1000:1 400 MHz 50 M Ω 5 kV High-Voltage Probe
PPE6KV	1000:1 400 MHz 50 M Ω 6 kV High-Voltage Probe
PPE20KV	1000:1 100 MHz 50 M Ω High-Voltage Probe 20 kV Max. Volt. DC + 40 kV Peak AC