



MSO Xs-A



WaveSurfer MXs-A



WaveSurfer Xs-A



WaveJet 300A



WaveAce 200



WaveAce 100

Bandwidth	400 MHz to 1 GHz	200 MHz to 1 GHz	200 MHz to 1 GHz	100 MHz to 500 MHz	60 MHz to 300 MHz	40 MHz to 100 MHz
Rise Time	875 ps to 300 ps	1.75 ns to 300 ps	1.75 ns to 300 ps	3.5 ns to 750 ps	5.8 ns to 1.2 ns	8.8 ns to 3.5 ns
Channels	4 + 18	4	2, 4	2, 4	2, 4	2
Display	10.4" Color SVGA Touch Screen	10.4" Color SVGA Touch Screen	10.4" Color SVGA Touch Screen	7.5" Color VGA	5.7" Color QVGA	5.7" Color QVGA
Memory	10 Mpts/Ch	10 Mpts/Ch	5 Mpts/Ch	500 kpts/Ch	2 Ch: 9 kpts/Ch 18 kpts interleaved 4 Ch: 10 kpts/Ch 20 kpts interleaved	4 kpts/Ch
Sample Rate	2.5 GS/s to 5 GS/s	2.5 GS/s to 5 GS/s	2.5 GS/s to 5 GS/s	1 GS/s to 2 GS/s	1 GS/s to 2 GS/s	250 MS/s to 500 MS/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, Glitch, Pattern, Video, HDTV	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, Audio	I ² C, SPI, UART, RS-232, CAN, LIN, Audio	I ² C, SPI, UART, RS-232, CAN, LIN, Audio	-	-	-
Connectivity and Storage	USB Host for Storage LAN for PC GPIB for PC ¹	USB Host for Storage LAN for PC GPIB for PC ¹	USB Host for Storage LAN for PC GPIB for PC ¹	USB Host for Storage USB Device for PC LAN for PC ¹ GPIB for PC ¹	USB Host for Storage USB Device for PC LAN for PC ² RS-232 for PC ³	USB Host for Storage USB Device for PC RS-232 for PC
Math	+, -, x, /, FFT	+, -, x, /, FFT, Absolute Value, Average, Derivative, Envelope, Enhanced Resolution, Floor, Integral, Invert, Reciprocal, Roof, Square, Square Root	+, -, x, /, FFT	+, -, 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")	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")	154 x 133 x 305 mm (6" x 5.25" x 12") ³ 159 x 133 x 336 mm (6.25" x 5.2" x 13.2") ²	154 x 133 x 305 mm (6" x 5.25" x 12")
Weight	7.26 kg (16.0 lbs)	7.26 kg (16.0 lbs)	7.26 kg (16.0 lbs)	3.2 kg (7.0 lbs)	2.3 kg (5.0 lbs) ³ 3.0 kg (6.6 lbs) ²	2.3 kg (5.0 lbs)

For more information, please contact:

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



MSO Xs-A Options and Accessories

WSXs-MATHSURF	Extended Math
WSXs-I2Cbus TD	I ² C Trigger and Decode
WSXs-SPIbus TD	SPI Trigger and Decode
WSXs-UART-RS232bus TD	UART and RS-232 Trigger and Decode
WSXs-CANbus TD	CAN Trigger and Decode
WSXs-LINbus TD	LIN Trigger and Decode
WSXs-AudioBus TD	Audio Trigger and Decode
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

WaveSurfer MXs-A Options and Accessories

WSXs-I2Cbus TD	I ² C Trigger and Decode
WSXs-SPIbus TD	SPI Trigger and Decode
WSXs-UART-RS232bus TD	UART and RS-232 Trigger and Decode
WSXs-CANbus TD	CAN Trigger and Decode
WSXs-LINbus TD	LIN Trigger and Decode
WSXs-AudioBus TD	Audio Trigger and Decode
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

Available Options and Accessories for WaveSurfer MXs-A

WSXs-MATHSURF	Extended Math
WSXs-ADVTRIG	Advanced Trigger Option
WSXs-VL	10 Mpts/Ch Memory Option
WSXs-I2Cbus TD	I ² C Trigger and Decode
WSXs-SPIbus TD	SPI Trigger and Decode
WSXs-UART-RS232bus TD	UART and RS-232 Trigger and Decode
WSXs-CANbus TD	CAN Trigger and Decode
WSXs-LINbus TD	LIN Trigger and Decode
WSXs-AudioBus TD	Audio Trigger and Decode
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

Available Options and Accessories for WaveJet 300A

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

Available Options and Accessories for WaveAce 100 and 200

WA-SOFTCASE	Soft Carrying Case
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Probes for MSO Xs-A, WaveSurfer MXs-A and WaveSurfer Xs-A

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
AP033	500 MHz Active Differential Probe ($\times 10$, $\div 1$, $\div 10$, $\div 100$)
AP034	1 GHz Active Differential Probe ($\div 1$, $\div 10$, $\div 20$)

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

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

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

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