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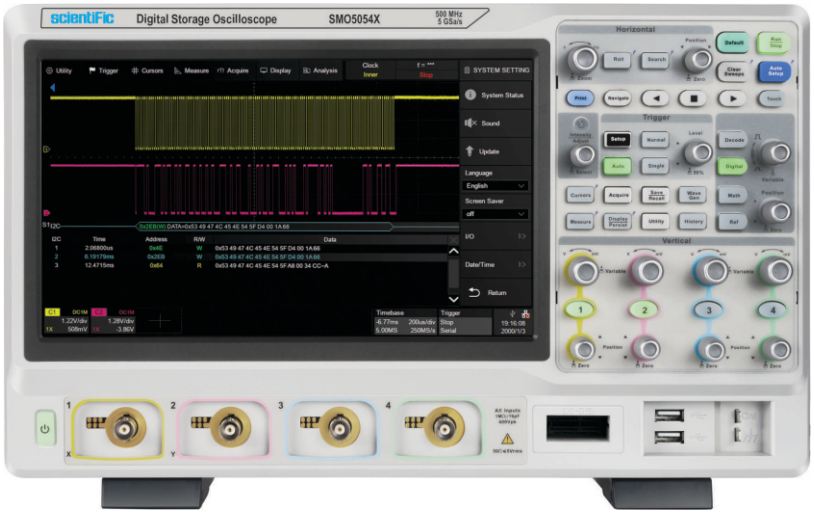
60 Years of Excellence

Digital Storage Oscilloscope
SMO5000X Series



Advance Features

- 1 GHz, 500 MHz, 350 MHz models with real-time sample rate up to 5 GSa/s, Bandwidth upgrade option is available.
- Waveform Capture rates up to 110,000 wfm/s (normal mode) and 500,000 wfm/s (sequence mode)
- Supports 256-level intensity grading and color temperature display modes
- Record length up to 250 Mpts/ch, 500 Mpts in total for all 4 channels
- Digital trigger system
- Intelligent trigger: Edge, Slope, Pulse, Window, Runt, Interval, Dropout, Pattern, Qualified and Video (HDTV supported). Trigger zone helps to simplify advanced triggering
- Serial bus triggering and decoder, supports protocols I^2C, SPI, UART, CAN, LIN, CAN FD, FlexRay, I^2S and MIL-STD-1553B
- Low background noise, supports 0.5 mV/div to 10 V/div voltage scales
- Segmented acquisition (Sequence) mode, dividing the maximum record length into multiple segments (up to 100,000), according to trigger conditions set by the user, with a very small dead time between segments to capture the qualifying event
- History waveform record (History) function, the maximum recorded waveform length is 100,000 frames
- Automatic measurement function on 39 parameters, supports statistics with histogram, Gating measurement, Math measurement, History measurement and Ref measurement
- Math function (2 Mpts FFT, addition, subtraction, multiplication, division, integration, differential, square root), supports math on math
- Search and Navigate
- Digital Voltmeter
- Waveform Histogram
- Bode plot & Power Analysis
- High Speed hardware-based Average, Eres (Enhanced Resolution)
- High Speed hardware-based Mask Test function, with Mask Editor tool for creating user-defined masks
- 16 digital channels (optional) with sample rate up to 1.25 GSa/s, record length up to 62.5 Mpts
- 25 MHZ function/arbitrary waveform generator, built-in multiple predefined waveforms
- Large 10.1" TFT-LCD display with 1024 * 600 resolution; Capacitive touch screen supports multi-touch gestures
- Supports external mouse and keyboard
- Multiple interfaces: USB Host, USB Device (USBTMC), LAN (VXI-11, telnet, socket, web), Pass/Fail, Trigger Out, 10 MHz In, 10 MHz Out, VGA output
- Built-in web server supports remote control by the LAN port using a web browser
- Supports SCPI remote control commands

Technical Specification	SMO5034X	SMO5054X	SMO5104X
Bandwidth	350 MHz	500 MHz	1 GHz
Sample Rate	5 GSa/s (interleaving mode*), 2.5 GSa/s (non-interleaving mode**)		
Memory Depth	250 Mpts (interleaving mode), 125 Mpts (non-interleaving mode)		
Waveform capture rate (Max.)	110,000 wfm/s (Normal mode); 500,000 wfm/s (Sequence mode)		
Trigger Type	Edge, Slope, Pulse width, Window, Runt, Interval, Dropout, Pattern, Video, Qualified, Nth edge, Setup/hold, Delay		
Serial Trigger and decode	Standard : I2C, SPI, UART, CAN, LIN Optional : CAN, FD, FlexRay, I2S, MIL-STD-1553B, SENT, Manchester (decode only)		
Measurement	50+ parameters, statistics, histogram, trend supported		

Technical Specification	SMO5034X	SMO5054X	SMO5104X
Math	2 traces 2 Mpts FFT, +, -, x, ÷, ∫dt, d/dt, √ , identity, Negation, Absolute, Sign, e^x, 10^x, ln, lg, interpolation, etc. supports formula editor		
Data analysis	Search, Navigate, History, Mask Test, Digital Voltmeter, Counter, Waveform, Histogram, Bode plot and Power Analysis		
Digital channel (optional)	16 channel, maximum sample rate up to 1.25 GSa/s; record length up to 62.5 Mpts		
Waveform Generator (Optional)	Single channel external USB waveform generator, frequency up to 25 MHZ,125 MSa/s sample rate, 16 kpts waveform memory		
I/O	USB 2.0 Host, USB 2.0 Device, LAN 10M/100M, Pass/Fail, Trigger Out, 10 MHz In, 10 MHZ VGA Output		
Probe (Standard)	SP3050A, 500 MHz, 1 probe supplied for each channel		
Display	10.1" TFT-LCD with capacitive touch screen (1024 *600)		
* Interleaving mode : only one of C1/C2 and/or only one of C3/C4 activated, ** Non-Interleaving mode : both C1/C2 or C3/C4 activated			
Acquire System (Analog Channel)			
Sample Rate	5 GSa/s (interleaving mode), 2.5 GSa/s (non-interleaving mode)		
Memory depth	250 Mpts (interleaving mode), 125 Mpts (non-interleaving mode)		
Peak detect	400 ps		
Average	4, 16, 32, 64, 128, 256, 512, 1024, 2048, 4096, 8192, 16384, 32768, 65536		
ERES	Enhanced bit : 0.5, 1, 1.5, 2, 2.5, 3		
Memory Management Mode	Auto, Fixed, Sample Rate, Fixed Memory Depth		
Sequence	Up to 100,000 segments, interval between triggers = 2 µs min		
History	Up to 100,000 frames		
Interpolution	Sinx/x, x		
Vertical System			
Analog Channels	4 + EXT		
Bandwidth (- 3dB) @ 50 Ω	350 MHz*	500 MHz**	1 GHz**
Rise Time (Typical) @ 50 Ω	1.0 ns	0.7 ns	0.4 ns
Bandwidth (- 3dB) @ 1 MΩ with probe	350 MHz*	500 MHz*	500 MHz*
Vertical Range	8 divisons		
Vertical Resolution	8 bits		
Vertical Scale (probe 1X)	1 MΩ : 500 µV/div to 10 V/div (setting range), 1 mV/div to 10 V/div (specified range)		
	50 Ω : 500 µV/div to 1 V/div (setting range), 1 mv/div to 1 V/div (specified range)		
DC Gain Accuracy	≤1.5%, ≥5mV/div ≤ 3.0%, <5mV/div		
Offset Accuracy	± (1.5% x offset + 1.5% x full scale + 1 mV)		
Offset Range	0.5 mV/div ~ 100 mV/div : ± 2 V 102 mV/div ~ 1 V/div : ± 20 V 1.02 V/div ~ 10 V/div : ± 200 V	0.5 mV/div ~ 20 mV/div : ± 2 V *** 20.5 mV/div ~ 100 mV/div : ± 5 V 102 mV/div ~ 200 mV/div : ± 20 V 205 mV/div ~ 1 V/div : ± 50 V 1.02 V/div ~ 2 V/div : ± 200 V 2.05 V/div ~ 10 V/div : ± 400 V	
Baandwidth flatness (>2 mv/div, @ 50 Ω)	50 kHz to BW/10: ± 0.5 dB BW/10 to BW/3: ± 0.8 dB BW/3 to BW2/3: + 1.0 dB, -1.2 dB BW/2/3 to BW + 2.0 dB, -2.5 dB		
Bandwidth Limit	20 MHz (± 40%) 200 MHz (± 40%)		
Low frequency response (AC coupling -3dB)	5 Hz (Typical)		
Overshoot (150 ps pulse @ 50 Ω)	< 10% (Typical)	< 10% (Typical)	< 15% (Typical)
Coupling	DC, AC, GND		
Impedance	DC1M : (1 MΩ ± 2%) || (16 pF ± 2 pF), AC1M : (1.2 MΩ± 2%) || (16 pF ± 2 pF), 50 Ω : 50 Ω ± 1%		
Max. Input voltage	1 MΩ : ≤ 400 Vpk (DC + AC), (DC to 10 kHz) 50 Ω : ≤ 5 Vrms, ± 10 V Peak		
Probe Attenuation	1X, 10X, 100X, Custom		
SFDR	≥ 32 dBc		
CH to CH Isolation (@50 Ω)	DC to 100 MHz > 40 dB 100 MHz to BW: ≥ 34 dB		
Probe Attenuation	1X, 10X, 100X, custom		
* Below 1 mv/div (included) the bandwidth is limited to 200 MHz (±40%) ** Below 2.45 mv/div (included) the bandwidth is limited to 200 MHz (±40%)			
Horizontal System			
Time Scale	1 ns/div to 1000 s/div	500 ps/div to 1000 s/div	200 ps/div to 1000 s/div
Waveform update rate	Up to 110,000 wfm/s		
Intensity grading	256 level		
Display Format	Y–T, X–Y, Roll		

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Roll mode		≥ 50 ms / div		
Skew (CH1 to CH4)		< 150 ps		
Time base Accuracy		± 1ppm initial; ± 1ppm 1st year aging; ± 3.5 ppm 10 year aging		
Trigger System				
Trigger Mode		Auto, Normal, Single		
Trigger Level Range		Internal : ± 4.1 div from screen center EXT : ± 0.61 V EXT/5 : ± 3.05 V		
Ext. Trigger Channel Input Voltage		1 MΩ : ≤ 42 Vpk 50 Ω : ≤ 1.5 Vrms @ EXT. 5 Vrms @ EXT/5		
Hold off Ranges		By time : 8 ns to 30 s (8 ns step) By event : 1 to 10^8		
Trigger Coupling	(CH1 to CH4)	DC : Passes all components of the signal AC : Blocks DC components and attenuates signals below 8 Hz LFRJ : Attenuates the frequency component below 1.2 MHz HFRJ : Attenuates the frequency component above 740 kHz Noise RJ : Increase the trigger hysteresis		
	(EXT)	DC : Passes all components of the signal AC : Blocks DC components and attenuates signals below 10 Hz LFRJ : Attenuates the frequency components below 400 kHz HFRJ ; Attenuates the frequency components above 1.6 MHz		
Accuracy (Typical)		CH1 to CH4 ± 0.2 div, EXT : ± 0.3 div		
Sensitivity	(CH1 to CH4)	>10 mV/div : 0.3 div (Noise RJ = OFF), 0.7 div (Noise RJ = ON)		
		5 mV/div - 10mV/div : 0.5 div (Noise RJ = OFF), 0.7 div (Noise RJ = ON)		
		≤ 2 mV/div : 1 div (Noise RJ = OFF), 1.5 div (Noise RJ = ON)		
	EXT :	200 mVpp (DC - 10 MHz), 300 mVpp (10 MHz - bandwidth)		
	EXT/5 :	1 Vpp (DC - 10 MHz) 1.5 Vpp (10 MHz - bandwidth)		
Jitter		< 9 ps RMS (typical) for ≥ 300 MHz sine and ≥ 6 divisions peak to peak amplitude for vertical gain setting from 2.5 mV/div to 10 V/div < 5 ps RMS (typical) for ≥ 500 MHz sine and ≥ 6 divisions peak to peak amplitude for vertical gain setting from 2.5 mV/div to 10 V/div		
Displacement		Pre-Trigger : 0 to 100% memory Delay-Trigger : 0 to 10,000 div		
Zone		Up to 2 zones Source : CH1 to CH4 Property : Intersect, Not Intersect		
Edge Trigger				
Source		CH1 to CH4 / EXT / (EXT/5) / AC Line / D0 to D15		
Slope		Rising, Falling, Rising & Falling		
Slope Trigger				
Source		CH1 to CH4		
Slope		Rising, Falling		
Limit Range		<, >, in range, out of range		
Time Range		2 ns to 20 s		
Resolution		1 ns		
Pulse Width Trigger				
Source		CH1 to CH4 / D0 to D15		
Polarity		+ wid, - wid		
Limit Range		<, >, in range, out of range		
Pulse Range		2 ns to 20 s		
Resolution		1 ns		
Video Trigger				
Source		CH1 to CH4		
Signal Standard		NTSC, PAL, 720p/50, 720p/60,1080p/50, 1080p/60,1080i/50,1080i/60, Custom		
Sync		ANY, Select		
Trigger Condition		Line, Field		
Window Trigger				
Source		CH1 to CH4		
Window Type		Absolute, Relative		
Interval Trigger				
Source		CH1 to CH4 / D0 to D15		
Slope		Rising, Falling		
Limit Range		<, >, in range, out of range		
Time Range		2 ns to 20 s		
Resolution		1 ns		

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Dropout Trigger			
Source	CH1 to CH4 / D0 to D15		
Timeout Type	Edge, State		
Slope	Rising, Falling		
Time Range	2 ns to 20 s		
Resolution	1 ns		
Runt Trigger			
Source	CH1 to CH4		
Polarity	Positive, Negative		
Limit Range	< >, in range, out of range		
Time Range	2 ns to 20 s		
Resolution	1 ns		
Pattern Trigger			
Source	CH1 to CH4 / D0 to D15		
Pattern Setting	Don't Care, Low, High		
Logic	AND, OR, NAND, NOR		
Limit Range	< >, in range, out of range		
Time Range	2 ns to 20 s		
Resolution	1 ns		
Qualified Trigger			
Type	State, State with Delay, Edge, Edge with Delay		
Qualified Source	CH1 to CH4 / D0 to D15		
Edge Trigger Source	CH1 to CH4 / D0 to D15		
Nth Edge Trigger			
Source	CH1 to CH4 / D0 to D15		
Slope	Rising, Falling		
Idle time	8 ns to 20s		
Resolution	1 ns		
Edge Number	1 to 65535		
Delay Trigger			
Source A	CH1 to CH4 / D0 to D15		
Source B	CH1 to CH4 / D0 to D15		
Slope	Rising, Falling		
Limit Range	<, >, in range, out of range		
Time Range	2 ns to 20 s		
Resolution	1 ns		
Serial Trigger			
Source	CH1 to CH4 / D0 to D15		
Protocol	Standard : I^2C, SPI, UART, CAN, LIN, Optional : CAN FD, FlexRay, I^2S, MIL-STD-1553B, SENT		
I^2C Trigger	Type : Start, Stop, Restart, No Ack, EEPROM, Address & Data, Data Length		
SPI Trigger	Type : Data		
UART Trigger	Type : Start, Stop, Data, Parity Error		
CAN Trigger	Type : All, Remote, ID, ID+Data, Error		
LIN Trigger	Type : Break, Frame ID, ID+Data Error		
CAN FD Trigger	Type : Start, Remote, ID, ID+Data, Error		
Flex Ray Trigger	Type : TSS, Frame, Symbol, Errors		
I^2S Trigger	Type : Data, Mute, Clip, Glitch, Rising Edge, Falling Edge		
MIL-STD-1553B (Optional)	Type : Transfer, Word, Error, Timing		
SENT (Optional)	Type : Start, Slow channel, Fast channel, Error		
Serial Decoder			
Decoders	2		
Threshold	- 4.1 to 4.1 div		
List	1 to 7 lines		
Decode type	Fully duplex		
I2C			
Source	CH1 to CH4 /D0 to D15		
Signal	SCL, SDA		
Address	7 bit, 10 bit		
SPI			
Source	CH1 to CH4 /D0 to D15		

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Signal	CLK, MISO, MOSI, CS		
Edge Select	Rising, Failing		
Chip Select	Active high, Active low, Clock timeout		
Bit Order	LSB, MSB		
UART			
Source	CH1 to CH4 /D0 to D15		
Signal	RX, TX		
Data Width	5 bit, 6 bit,7 bit, 8 bit		
Parity Check	None, Odd, Even, Mark, Space		
Stop Bit	1 bit,1.5 bit, 2 bit		
Idle Level	Low, High		
Bit Order	LSB, MSB		
CAN			
Source	CH1 to CH4 / D0 to D15		
LIN			
LIN Version	Ver 1.3, Ver 2.0		
Source	CH1 to CH4 / D0 to D15		
Baud Rate	600bps, 1200bps, 2400bps, 4800bps, 9600bps, 19200bps, Custom		
CAN FD (Optional)			
Source	CH1 to CH4 / D0 to D15		
Nominal Baud Rate	10kbps, 25kbps, 50kbps, 100kbps, 250kbps, 1Mbps, Custom		
Data Baud Rate	500kbps, 1Mbps, 2Mbps, 5Mbps, 8Mbps, 10Mbps, Custom		
Flex Ray (Optional)			
Source	CH1 to CH4 / D0 to D15		
Data Baud Rate	2.5 Mbps, 5 Mbps, 10 Mbps, Custom		
I2S (Optional)			
Source	CH1 to CH4 / D0 to D15		
Signal	BCLK, WS, DATA		
Audio Variant	Audio-I2S, Audio L-J, Audio RJ		
Start Bits	0 to 31		
Data Bits	0 to 32		
MIL-STD-1553B (Optional)			
Source	CH1 to CH4		
Sent (Optional)			
Source	CH1 to CH4 / D0 to D15		
Manchester (Optional)			
Source	CH1 to CH4		
Band Rate	500 bps to 5 Mbps		
Measurement			
Source	CH1 to CH4 / D0 to D15, F1 to F2, Ref., History, Z1-Z4		
Mode	Simple, Adavanced		
Range	Screen, Gating		
Custom Threshold	Upper, Middle, Lower		
No. of Measurement	Display 12 measurements at the same time (Display mode = M2)		
Vertical Parameters	Max, Min, Pk-Pk, Top, Base, Amplitude, Mean, Cycle Mean, Stdev, Cycle Stdev, RMS, Cycle RMS, Median, Cycle Median, FOVE FPRE, ROV, RPRE, Level@Trigger		
Horizontal Parameters	Period, Frequency, Time@max, Time@min, +width, -width, 10-90% Rise time, 90-10% Fall time, Rise time, Fall time, + Burst Width, - Burst width, + Duty Cycle, - Duty Cycle, Delay, Time@Middle, Cycle-Cycle Jitter		
Miscellaneous Parameters	+Area@DC, -Area@DC, Area@DC, Absolute Area @DC, +Area@AC, -Area@AC, Area@AC, Absolute Area @AC, Cycles, Rising Edges, Failling Edges, Edges, Positive pluses, Negative Pulses, Positive slope, Negative slope		
Delay Parameters	Phase, FRFR, FRFF, FFFR, FFFF, FRLR, FRLF, FFLR, FFLF, Skew, Tsu@R, Tsu@F, Th@R, Th@F		
Cursors	Manual : Time X1, X2, (X1-X2), (1/ΔT) Voltage / Current : Y1, Y2, (Y1-Y2) Track : Time X1, X2, (X1-X2)		
Statistics	Current, Mean, Min, Max, Sdev, Count, Histogram, Trend, Track		
Statistics count	Unlimited,1~1024		
Statistics Count in a frame (AIM count)	Up to 25,000		
Cursors			
Source	CH1 to CH4, D0 to D15, F1 to F2, Ref. Histogram		
Type	Manual : Time X1, X2, (X1-X2), (1/ T) ; Vertical Y1, Y2, (Y1-Y2) Track : Time X1, X2, (X1-X2) Measure		

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Math			
Trace	F1, F2		
Source	CH1 to CH4, F1 to F2, Z1 to Z4		
Operation	2 Mpts FFT, +, -, x, ÷, ∫dt, d/dt, √ , identity, Negation, (x) Sign, e^x, 10^x, ln, lg, interpolation, Formula Editor		
FFT	Length : 2 Mpts, 1 Mpts, 512 kpts, 256 kpts, 128 kpts, 64 kpts, 32 kpts, 16 kpts, 8 kpts, 4 kpts, 2 kpts Window : Rectangular , Blackman, Hanning, Hamming, Flattop Display : Full Screen, Split, Exclusive Mode : Normal, Max hold Average Tools : Peaks, Markers		
Function/Arbitrary Waveform Generator (Optional)			
Channels	1		
Max. output frequency	25 MHz		
Sampling Rate	125 MSa/s		
Frequency Resolution	1 µHz		
Frequency Accuracy	± 50 ppm		
Vertical Resolution	14 bit		
Amplitude Range	-1.5 V to + 1.5 V (into 50 Ω) - 3 V to +3 V (into High-Z)		
Waveforms	Sine, Square, Ramp, Pulse, DC, Noise, 45 Arbs		
Output Impedance	50 Ω ± 2 %		
Protection	Over voltage protection, Current limit		
Insulation Voltage	± 42 Vpk		
Sine			
Frequency	1 µHz to 25 MHz		
Offset Accuracy (10 kHz)	± (1% offset setting value + 3 mVpp)		
Amplitude flatness	± 0.3dB, compare to 10 kHz, 2.5 Vpp into 50 Ω		
SFDR	DC - 1 MHz - 60 dBC 1 MHz - 5 MHz - 55 dBC 5 MHz - 25 MHz - 50 dBC		
Harmonic distortion	DC - 5 MHz - 50 dBC 5 MHz - 25 MHz - 45 dBC		
Sequence / Pulse			
Frequency	1 µHz to 10 MHz		
Duty cycle	1% to 99%		
Edge	< 24 ns (10% to 90%)		
Overshoot	< 3% (typical, 1 kHz, 1 Vpp)		
Pulse width	> 50 ns		
Jitter (cycle-cycle)	< 500 ps + 10 ppm		
Ramp			
Frequency	1 µHz to 300 kHz		
Linearity	< 0.1% of Pk-Pk (typical, 1 kHz, 1 Vpp, 50% symmetry)		
Symmetry	0% to 100%		
DC			
Offset Range	±1.5 V (into 50 Ω) ± 3 V (into Hi-Z)		
Accuracy	± (|setting value| * 1% + 3 mV)		
Noise			
Bandwidth	> 25 MHz		
Arb			
Frequency	1 µHz to 5 MHz		
Waveform Memory	16 kpts		
Sample Rate	125 MSa/s		
Wave Import	From Easy WaveX, from U-disk, directly from waveform data on analog channels		
Digital Channels (Optional)			
No. of Channels	16		
Max. Sampling Rate	1.25 GSa/s		
Memory Depth	62.5 Mpts/ch		
Min. Detectable Pulse Width	3.3 ns		
Level Group	D0 to D7, D8 to D15		
Level Range	-10 V to 10 V		
Logic Type	TTL, CMOS, LVCMOS3.3 , LVCMOS2.5, Custom		
Skew	D0 to D15 : ±1 Sampling Interval Digital to Analog : ± (1 sampling interval +1 ns)		

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Analysis			
Search	CH1 to CH4, History		
Mode	Edge, Slope, Pulse, Interval, Runt		
Copy setting	Copy from trigger, Copy to trigger		
Navigate			
Type	Search event, Time, History frame		
Mask Test			
Source	CH1 to CH4, Z1 to Z4		
Mask creating	Auto (Create mask), Customized (Mask Editor)		
Mask test speed	Up to 18000 frames/s		
DVM			
Source	CH1 to CH4		
Mode	DC mean, DC RMS, AC RMS, Peak-peak, Amplitude		
Plot	Bar, Histogram, Trend		
Bode Plot			
Source	CH1 to CH4		
Supported signal sources	SAG1021I (Connection : USB) SMG Series waveform generators (Connection: USB, LAN)		
Sweep type	Simple, Vari-level		
Frequency	Mode: Linear, Logarithmic Range: 10Hz~120MHz		
Measure	Upper cutoff frequency, Lower cutoff frequency, Bandwidth, Gain margin, Phase margin		
Power Analysis (Optional)			
Measure	Power quality, Current Harmonics, Inrush current, Switching loss, Slew rate, Modulation, Output ripple, Turn on/Turn offf, Transient response, PSRR, Efficiency, SOA		
Histogram			
Source	CH1 to Ch4		
Type	Horizontal, Vertical, Both		
Counter			
Source	CH1 to CH4		
Frequency Resolution	7 digit		
Totalizer	Counter on edges, supports Gate and Trigger		
General Specifications			
I/O			
Standard	3 USB 2.0 Hosts, 1 USB 2.0 Device, 10M/100M LAN, AUX(Pass/Fail+Trigger Out), 10 MHz In/ Out		
Pass/Fail	3.3 V TTL Output		
Display			
Display Type	10.1 TFT LCD with capacitive touch screen		
Resolution	1024 × 600		
Contrast	500:1 typical		
Backlight	500 nit typical		
Display Setting			
Range	8 x 10 grid		
Display Type	Dot, Vector		
Persistence Time	OFF, 1 s, 5 s, 10 s, 30, infinite		
Color Display	Normal, Color, Supports customer trace color		
Input Voltage & Frequency	100 to 240 Vrms 50/60 Hz		
Power Consumption	100 W Max, 70 W Typical, 4 W typical standby mode		
Humidity	Operating : 85% RH, 40˚C , 24 hours Non-operating : 85% RH, 65˚C, 24 hours		
Temperature	Operating : 0˚C to 40˚C Non-operating : 20˚C to 60˚C		
Altitude	Operating : ≤ 3,000 m Non-operating : ≤ 15,000 m		
Electromagnetic Compatibility	EN 61326-1:2013		
Safety	UL61010-1:2012/R, 2018-11: CAN/CSA-C22.2 No. 61010-1:2012/A1:2018-11. UL61010-2-030:2018; CAN/CSA-C22.2 No. 61010-2-030:2018.		
Dimension	W : 370 mm, D : 144 mm, H : 231 mm		
Weight	N.W : 4.0 Kg, G.W. : 5.6 Kg (4 Channel Model)		

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Standard Accessories	USB cable, Passive probe : SP2035A for 350 MHz model and SP3050A for 500 MHz/1 GHz models (1/Channel), CD, Power Cord		
Available Options	Description		Option No.
	16 channel MSO Function for SMO5000X series (inclusive of 16 channel Logic Probe SPL2016 + MSO Function Software)		SMO5000X-16LA
	USB AWG Option for SMO5000X series (inclusive of USB Isolated AWG Module Hardware SAG1021I + USB AWG Software)		SMO5000X-FG
	Power Analysis Deskew Fixture		DF2001A
	Power Analysis (software)		SMO5000X-PA
	I2S Trigger & Decode Software		SMO5000X-I2S
	MIL-STD-1553B Trigger & Decode Software		SMO5000X-1553B
	Flexray Trigger & Decode Software		SMO5000X-FlexRay
	CANFD Trigger & Decode Software		SMO5000X-CANFD
	350 MHz to 500 MHz BW upgrade (i.e. SMO5034X to SMO5054X)		SMO5000X-4BW05
	500 MHz to 1 GHz BW upgrade for (i.e. SMO5054X to SMO5104X)		SMO5000X-4BW10

Subject to change

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