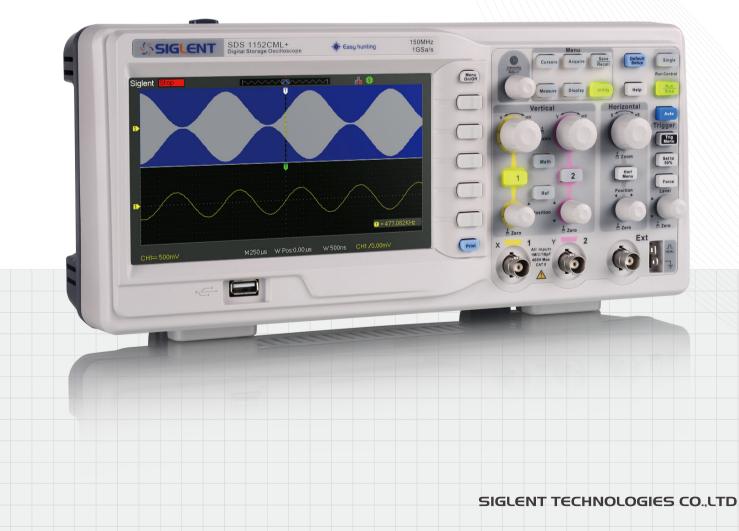


SDS1000DL+/CML+ Series Digital Oscilloscope



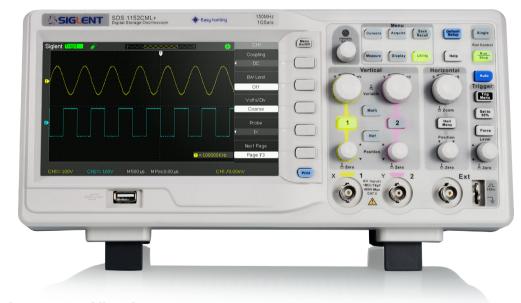
SDS1052DL+ SDS1072CML+ SDS1102CML+ SDS1152CML+

Product overview

SDS1000DL+/CML+ series is a dual-channel universal digital oscilloscope, available in 50 MHz, 70 MHz, 100 MHz and 150 MHz bandwidth models. It includes a 2 Mpts memory depth that helps to ensure accurate waveform resolution and to capture longer signal lengths. With its 7 inch TFT-LCD (800*480) screen, there is adequate screen space to help better see and analyze waveform details. Along with a 1 GSa/s sampling rate, the SDS1000DL+/CML+ supports 32 parameters measurements and common mathematical operations to speed up complex / repetitive measurements.

Key Features

- 150 MHz, 100 MHz, 70 MHz, 50 MHz bandwidth models
- Real-time sampling rate up to 1 GSa/s, Equivalent-time sampling rate up to 50 GSa/s
- Memory Depth up to 2 Mpts
- 📭 Trigger types: Edge, Pulse, Video, Slope, Alternate
- Waveform math functions:+, -, *, /, FFT
- 🜆 6 digital frequency counter
- Supports Multi-language display and embedded online help
- Main Screensaver from 1 minute to 5 hours
- Main Shortcut storage function key
- 7 inch TFT-LCD display with 800 * 480 resolution
- Multiple interfaces: USB Host, USB Device (USBTMC), LAN (VXI-11), Pass / Fail

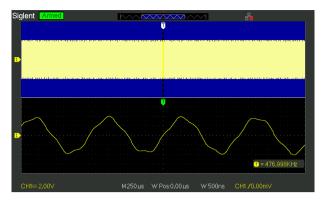


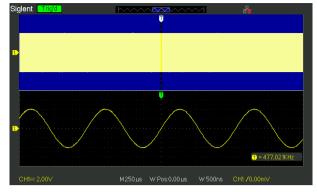
Models and Key Specifications

Model	SDS1052DL+	SDS1072CML+	SDS1102CML+	SDS1152CML+
Bandwidth	50 MHz	70 MHz	100 MHz	150 MHz
Sample Rate (Max)	500 MSa/s	1 GSa/s		
Channels	2+EXT			
Memory Depth (Max)	32 Kpts 2 Mpts			
Trigger Types	Edge, Pulse, Video, Slope, Alternate			
I/O	USB Host, USB Device, LAN, Pass/Fail,			
Probe (Std)	2 pcs passive probe, PB470		2 pcs passive probe, PP510	2 pcs passive probe, PP215
Display	7 inch TFT LCD (800x480)			
Net Weight	2.5 Kg			

Function & Characteristic

Memory Depth up to 2 Mpts





Normal Memory (40 Kpts)

Long Memory (2 Mpts)

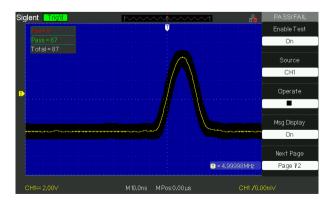
Using the long memory mode, users are able to use a higher sampling rate to capture more of the signal, and quickly zoom to focus on the area of interest.

32 parameters auto measurements and 5 parameters display



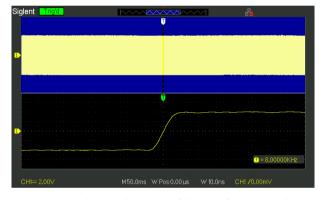
The SDS1000DL+/CML+ support voltage, time and delay measurement types, with a total of 32 different parameters. The user is able to select five measurements to display on the screen. All measurement parameters can also be displayed simultaneously.

Pass/Fail Function



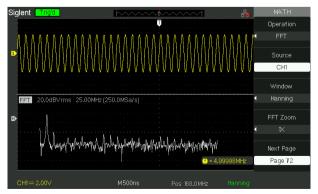
With easy to generate user-defined test templates, the SDS1000DL+/ CML+ compares the current measured trace to the template mask trace making it suitable for long-term signal monitoring or automated production line testing.

Zoom Function



Zoom can extend a partial segment of the waveform, giving the user not only an overview of the whole signal but also a detailed view of the zoomed-in segment. The Zoom feature is a convenient way to locate a specific segment of a signal while zooming in to see the details.

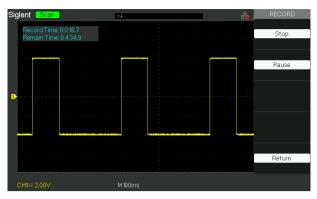
Math Function



SDS1000DL+/CML+ provides 5 kinds of math operation: +, -, *, /, FFT, supporting channel waveform and FFT waveform in either split display windows or both signals appearing on the full screen.

Characteristics

Digital Recorder



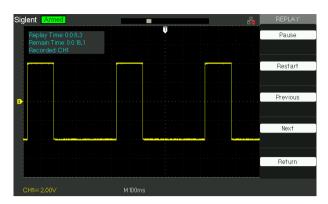
The digital recorder is able to record data in real-time and without any dead time. SDS1000DL+/CML+ supply 7 M of memory for the recorder and support a USB disk.

Embedded Online Help



Supports Multi-language display and embedded online help, familiarizes the user with all the functions of in a short time.

Specifications



Replaying the data for user to observe and analyze.

Abundant interfaces



SDS1000DL+/CML+ support USB Host, USB Device (USBTMC), LAN (VXI-11), Pass / Fail.

Acquire System	
Sampling Rate	Real-time sampling rate up to 1 GSa/s, Equivalent-time sampling rate up to 50 GSa/s
Memory Depth	Normal memory mode: 40 Kpts. Long memory mode: 2 Mpts
Acquire Mode	Normal, Peak Detect, Average
Average	Averages: 4, 16, 32, 64, 128, 256
Waveform interpolation	Sinx,X
Input	
Channel	2
Coupling	DC, AC, GND
Impedance	DC: (1 MΩ±2%) (18 pF ±3 pF) 50 Ω: 50 Ω±2%
Max. Input voltage	400 V , 1 ΜΩ
Channel Isolation	> 100:1
Probe attenuator	1 X, 10 X, 50 X, 100 X, 500 X , 1000 X
Horizontal System	
Timebase Scale	150 MHz 2.5 ns/div - 50 s/div 100 MHz 2.5 ns/div - 50 s/div 70 MHz 5.0 ns/div - 50 s/div 50 MHz 5.0 ns/div - 50 s/div
Channel Skew	<500 ps
Display Format	Y-T, X-Y, Scan
Timebase Accuracy	±50 ppm
Scan Mode	100 ms/div ~ 50 s/div

Vertical System	
Bandwidth (-3 dB)	150 MHz (SDS1152 CML+) 100 MHz (SDS1102 CML+) 70 MHz (SDS1072 CML+) 50 MHz (SDS1052 DL+)
Vertical Resolution	8 bit
Vertical Scale (Probe 1 X)	2 mV/div - 10 V/div (1-2-5)
Offset Range (Probe 1 X)	2 mV - 200 mV: ± 1.6 V; 206 mV ~ 10 V: ± 40 V
Bandwidth Limit	20 MHz ±40%
Bandwidth Flatness	DC - 10%(BW): ± 1 dB 10% - 50%(BW): ± 2 dB 50% - 100%(BW): + 2 dB/-3 dB
Low Frequency Response (AC-3 dB)	≤10 Hz (at input BNC)
Noise	STDEV \leq 0.6 div (\geq 5 mV/div) STDEV \leq 0.7 div (2 mV/div)
DC Gain Accuracy	≤ ±3.0%: 5 mV/div ~10 V/div ≤±4.0%: ≤2 mV/div
DC Measurement Accuracy	$ \label{eq:linear_state} \begin{array}{l} \pm [3\%\times (reading + offset) + 1\%\times offset + 0.2 \ div + 2 \ mV] \ , \leq 100 \ mV/div \\ \pm [3\%\times (reading + offset) + 1\%\times offset + 0.2 \ div + 100 \ mV] \ , > 100 \ mV/div \end{array}$
Rise time	Typical 2.3 ns (SDS1152 CML+) Typical 3.5 ns (SDS1102 CML+) Typical 5.0 ns (SDS1072 CML+) Typical 7.0 ns (SDS1052 DL+)
Overshoot (500 ps Pulse)	<10%

Trigger Mode Auto, Normal, Single Internal: 46 divisions from center of screen Ext: 12.2 V Fitteral: 45 divisions from center of screen Ext: 12.2 V Ext: 12.2 V Ext: 12.2 V Bold off Range 100 ns ~ 1.5 s Trigger Coupling AC, DC, LF Rej, HF Rej Trigger Sensitivity 1.5 Divisions: 100 Htrz: Max BW Trigger Displacement Pre-trigger: Memory depth/ (2*sampling) Delay Trigger: 260 div Delay Trigger: 260 div Store Ksing, Falling, Rising & Falling Source CH1/CH2/EXT/(EXT/5)/AC Line Source Ksing, Falling, Rising & Falling Source CH1/CH2 Source CH1/CH2 Source CH1/CH2 Polar Trigger Source CH1/CH2 Source CH1/CH2 Source CH1/CH2 Source Polar Trigger Source CH1/CH2 Source CH1/CH2 Source Polar Y Source View Source Source CH1/CH2	Trigger System	
Internal: ±6 divisions from center of screen EXT: ±1.2 V EXT/S: ±6 VHold off Range100 ns ~ 1.5 sTrigger CouplingAC, DC, LF Rej, HF RejTrigger Sensitvity1 Divisions: DC-10 MHz 1.5 Divisions: DC-10 MHz 1.5 Divisions: DC-10 MHz 1.5 Divisions: DC-10 MHz Delay Trigger: 260 divEdge TriggerPretrigger: Memory depth/ (2*sampling) Delay Trigger: 260 divEdge TriggerStopeSlopeRising, Falling, Rising & Falling SourceSlopeRising, Falling, Rising & FallingSlopeRising, Falling, Rising & FallingSourceCH1/CH2/EXT/(EXT/S)/AC LineSlopeRising, Falling, Rising & FallingSourceCH1/CH2SlopeRising, Falling, Rising & FallingSourceCH1/CH2Polar Trigger20 ns ~ 10 sPulse Trigger20 ns ~ 10 sPulse Range<,> =SourceCH1/CH2Pulse Range20 ns - 10 sPulse Range20 ns - 10 sVideO Trigger20 ns - 10 sSourceCH1/CH2SourceCH1/CH2SourceCH1/CH2SourceCH1/CH2SourceCH1/CH2SourceCH1/CH2SourceCH1/CH2SourceCH1/CH2SourceCH1/CH2SourceCH1/CH2SourceCH1/CH2SourceCH1/CH2SourceCH1/CH2SourceCH1/CH2SourceCH1/CH2SourceCH1/CH2SourceCH1/CH2 <td></td> <td>Auto Normal Single</td>		Auto Normal Single
Trigger Level Range EXT: ±1.2 V EXT/5: ±6 V Hold off Range 100 ns ~ 1.5 s Trigger Coupling AC, DC, IF Rej, IF Rej Trigger Sensitivity 1: Divisions: DC-10 MHz 1: 5 Divisions: 10 MHz - Max BW Trigger Displacement Pre-trigger: Memory depth/ (2*sampling) Detay Trigger: 260 div Stope Rising, Falling, Rising & Falling Source CH1/CH2/EXT/(EXT/5)/AC Line Stope Rising, Falling, Rising & Falling Source CH1/CH2/EXT/(EXT/5)/AC Line Source CH1/CH2 Polarity +xid, -wid Hold and Example -xid Source CH1/CH2 Polarity +xid, -xid Hold and -xid Source CH1/CH2 Source CH1/CH2 Source CH1/CH2		
Inger Couping Ac, DC, LF Rej, HF Rej Trigger Sensitivity 1 Divisions: DC-10 MHz 1.5 Divisions: 10 MHz - Max BW Trigger Displacement Pre-trigger: Memory depth/ (2*sampling) Depty Trigger 200 dept Edge Trigger Pre-trigger: Memory depth/ (2*sampling) Depty Trigger 200 dept Slope Rising, Falling, Rising & Falling Source CH1/CH2/EXT/(EXT/5)/AC Line Slope Rising, Falling, Rising & Falling Source CH1/CH2/EXT/(EXT/5)/AC Line Slope Rising, Falling Slope CH1/CH2 Slope CH1/CH2 Slope CH1/CH2 Sl	Trigger Level Range	EXT: ±1.2 V
Trigger Sensitivity 1 Divisions: DC-10 MHz 1.5 Divisions: 10 MHz - Max BW Trigger Displacement Pre-trigger: Memory depth/ (2*sampling) Delay Trigger: 260 div Edge Trigger Slope Rising, Falling, Rising & Falling Source CH1/CH2/EXT/(EXT/5)/AC Line Slope Slope Rising, Falling Slope Rising, Falling Slope Rising, Falling Limit Range <, >, = Source CH1/CH2 Time Range <, >, = Polarity +wid , -wid Limit Range <, >, = Source CH1/CH2 Source CH1/CH2 Pulse Range 20 ns - 10 s Pulse Range <, >, = Source CH1/CH2 Source	Hold off Range	100 ns ~ 1.5 s
Trigger Sensitivity 1.5 Divisions: 10 MHz - Max BW Trigger Displacement Pre-trigger: Memory depth/ (2*sampling) Delay Trigger: 260 div Edge Trigger Stope Slope Rising, Falling, Rising & Falling Source CH1/CH2/EXT/(EXT/5)/AC Line Slope Rising, Falling, Rising & Falling Slope Rising, Falling Surce CH1/CH2 Source CH1/CH2 Pulse Trigger 20 ns ~ 10 s Pulse Trigger +wid - wid Source CH1/CH2 Pulse Range 20 ns - 10 s Source CH1/CH2 Pulse Range 20 ns - 10 s Video Trigger Surger Signal Standard MTSC, PAL/Secam Source CH1/CH2	Trigger Coupling	AC, DC, LF Rej, HF Rej
Intgen Obspacement Delay Trigger: 260 div Edge Trigger Slope Rising, Falling, Rising & Falling Source CH1/CH2/EXT/5/AC Line Slope Trigger Slope Trigger Slope Trigger Rising, Falling Slope Trigger CH1/CH2/EXT/6/AC Line Slope Trigger Rising, Falling Slope Trigger CH1/CH2 Source CH1/CH2 Source CH1/CH2 Polarity +wid , -wid Limit Range <, > = Source CH1/CH2	Trigger Sensitivity	
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Slope Trigger Slope Rising, Falling Limit Range <, >, = Source CH1/CH2 Time Range 20 ns ~ 10 s Pulse Trigger Polarity +wid , -wid Limit Range <, >, = Source CH1/CH2 Polarity +wid , -wid Limit Range <, >, = Source CH1/CH2 Pulse Range 20 ns - 10 s Video Trigger 20 ns - 10 s Signal Standard NTSC, PAL/Secam Source CH1/CH2	Slope	Rising, Falling, Rising & Falling
SlopeRising, FallingLimit Range<, >, =SourceCH1/CH2Time Range20 ns ~ 10 sPulse TriggerPolarity+wid, -widLimit Range<, >, =SourceCH1/CH2Pulse Range20 ns - 10 sVideo Trigger20 ns - 10 sSignal StandardNTSC, PAL/SecamSourceCH1/CH2	Source	CH1/CH2/EXT/(EXT/5)/AC Line
Limit Range<, >, =SourceCH1/CH2Time Range20 ns ~ 10 sPulse TriggerPolarity+wid , -widLimit Range<, >, =SourceCH1/CH2Pulse Range20 ns - 10 sVideo Trigger20 ns - 10 sVideo TriggerSignal StandardSignal StandardNTSC, PAL/SecamSourceCH1/CH2	Slope Trigger	
SourceCH1/CH2Time Range20 ns ~ 10 sPulse TriggerPolarity+wid, -widLimit Range<,> =SourceCH1/CH2Pulse Range20 ns - 10 sVideo TriggerVideo TriggerSignal StandardNTSC, PAL/SecamSourceCH1/CH2	Slope	Rising, Falling
Time Range20 ns ~ 10 sPulse TriggerPolarity+wid , -widLimit Range<, >, =SourceCH1/CH2Pulse Range20 ns - 10 sVideo TriggerSignal StandardNTSC, PAL/SecamSourceCH1/CH2	Limit Range	<, >, =
Pulse Trigger Polarity +wid , -wid Polarity +wid , -wid Limit Range <, >, = Source CH1/CH2 Pulse Range 20 ns - 10 s Video Trigger Video Trigger Signal Standard NTSC, PAL/Secam Source CH1/CH2	Source	CH1/CH2
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Source CH1/CH2 Pulse Range 20 ns - 10 s Video Trigger Video Trigger Signal Standard NTSC, PAL/Secam Source CH1/CH2	Polarity	+wid , -wid
Pulse Range 20 ns - 10 s Video Trigger Signal Standard NTSC, PAL/Secam Source CH1/CH2	Limit Range	<, >, =
Video Trigger Signal Standard NTSC, PAL/Secam Source CH1/CH2	Source	CH1/CH2
Signal Standard NTSC, PAL/Secam Source CH1/CH2	Pulse Range	20 ns - 10 s
Source CH1/CH2	Video Trigger	
	Signal Standard	NTSC, PAL/Secam
Trigger condition odd field, even field, all lines, line num	Source	CH1/CH2
	Trigger condition	odd field, even field, all lines, line num

Measure Syste	em	
Source	CH1, CH2	
Measurement Param	eters (32 Types)	
Measurement Para	ameters (36 Ty	pes)
Vertical (Voltage)	Vmax	Highest value in input waveform
	Vmin	Lowest value in input waveform
	Vpp	Difference between maximum and minimum data values
	Vamp	Difference between top and base in a bimodal signal ,or between max and min in an unimodal signal
	Vtop	Value of most probable higher state in a bimodal waveform
	Vbase	Value of most probable lower state in a bimodal waveform
	Mean	Average of all data values
	Vmean	Average of data values in the first cycle (Condition: there is an entire period)
	Vrms	Root mean square of all data values
	Crms	Root mean square of all data values in the first cycle (Condition: there is an entire period)
	FOV	Overshoot after a falling edge; (base-min)/Amplitude
	FPRE	Overshoot before a falling edge; (max-top)/Amplitude
	ROV	Overshoot after a rising edge;(max-top)/Amplitude
	RPRE	Overshoot before a rising edge; (base-min)/Amplitude
Horizontal (Time)	Period	Period for every cycle in waveform at the 50% level ,and positive slope
	Freq	Frequency for every cycle in waveform at the 50% level, and positive slope
	+Wid	Width measured at 50% level and positive slope
	-Wid	Width measured at 50% level and negative slope
	Rise Time	Duration of rising edge from 10-90%
	Fall Time	Duration of falling edge from 90-10%
	Bwid	Time from the first rising edge to the last falling edge, or the first falling edge to the last rising edge at the 50% crossing
	+Dut	Ratio of positive width to period
	-Dut	Ratio of negative width to period
	Phase	Calculates the phase difference between two edges (Condition: there is an entire period)
	FRR	Time between the first rising edges of the two channels
	FRF	Time from the first rising edge of channel A , to the first falling edge of channel B
	FFR	Time from the first falling edge of channel A ,to the first rising edge of channel B
Delay	FFF	Time from the first falling edge of channel A ,to the first falling edge of channel B
	LRR	Time from the first rising edge of channel A, to the last rising edge of channel B (Condition: there is an entire period)
	LRF	Time from the first rising edge of channel A, to the last falling edge of channel B (Condition: there is an entire period)
	LFR	Time from the first falling edge of channel A, to the last rising edge of channel B (Condition: there is an entire period)
	LFF	Time from the first falling edge of channel A, to the last falling edge of channel B
Cursors	Manual mode	, Track mode and Auto mode
Counter	Hardware Co	unter (Resolution 1 Hz)

Math Function	
Operation	+,-,*,/,FFT
FFT	Rectangular, Blackman, Hanning, Hamming
FFT display	Full Screen, Split

Save/Recall	
	Setting, Waveform, Bmp, CSV
	2 refs, 20 settings, 10 waveforms internal Save to USB disk

I/O	
Standard I/O	USB Host, USB Device, LAN, Pass/Fail
Pass/Fail	3.3 V TTL Output
Display(Screen)	
Display Type	7 inch TFT-LCD
Display Resolution	800×480
Display Color	24 bit
Contrast (Typical)	500:1
Backlight	300 nit

Backlight	300 nit
Wave display range	8 x 16 div
Wave Display Mode	Dots, Vectors
Persist	Off, 1 s, 2 s, 5 s, Infinite
Menu Display	2 sec, 5 sec, 10 sec, 20 sec, Infinite
Screen-Saver	Off, 1 min, 2 min, 5 min, 10 min, 15 min, 30 min, 1 hour, 2 hour, 5 hour
Color mode	Normal , Invert
Language	English, Simplified Chinese, Traditional Chinese, Arabic, French, German, Russian, Portuguese Spanish, Japanese, Korean, Italian

Environments	
Temperature	Operating: 10 $^{\circ}$ C ~ +40 $^{\circ}$ C Non-operating: -20 $^{\circ}$ C ~ +60 $^{\circ}$ C
Humidity	Operating: 85% RH, 40 $^\circ\!\!C$, 24 Hours Non-operating: 85% RH, 65 $^\circ\!\!C$, 24 Hours
Height	Operating: ≤3000 m Non-operating: ≤15,266 m

Power Supply		
Input	100 ~ 240 Vrms 50/60 Hz 100 ~ 120 Vrms 400 Hz	
Power	50 W Max	

Mechanical

Dimensions	Length 323.1 mm Width 135.6 mm Height 157 mm
Weight	N.W: 2.5 Kg

SDS1000DL+/CML+ Probes & Accessories

Туре	Model	Picture	Specifications
Passive Probe	PB470		70 MHz Bandwidth 1 X/10 X,1 M/10 Mohm, 300 V/600 V
	PP510		100 MHz Bandwidth 1 X/10X, 1 M/10 Mohm, 300 V/600 V
	PP215		200 MHz Bandwidth 1 X/10X,1 M/10 Mohm, 300 V/600 V
Current Probe	CP4020		Bandwidth: 100 KHz, Max. continuous current: 20 Arms, Peak current: 60 A Switch Ratio: 50 mV/A, 5 mV/A, Accuracy: 50 mV/A (0.4A-10ApK) \pm 2%, 5 mV/A (1A-60ApK) \pm 2%, 9 V battery source
	CP4050		Bandwidth: 1 MHz; Maximum continuous current 50 Arms; Peak current 140 A; Switching ratio: 500 mV/A; 50 mV/A; DC measurement accuracy: 500 mV/A (20 mA-14 ApK) ±3%±20 mA; 50 mV/A (200 mA-100 ApK)±4%± 200 mA; 50 mV/A (100 A-140 ApK)±15% max; 9 V battery-powered
	CP4070		Bandwidth: 150 KHz; Maximum continuous current 70 Arms; Peak current 200 A;Switching ratio: 50 mV/A; 5 mV/A; DC measurement accuracy: 50 mV/A (0.4 A-10 ApK) ±2%, ±5 mV/A (1 A-200 ApK)±2%; 9 V battery-powered
	СР4070А		Bandwidth: 300 KHz; Maximum continuous current 70 Arms; Peak current 200 A;Switching ratio: 100 mV/A;10 mV/A; DC measurement accuracy: 100 mV/A (50 mA-10 ApK) ±3%±50 mA; 10 mV/A (500 mA-40 ApK) ±4%±50 mA; 10 mV/A (40 A-200 ApK) ±15%max; 9 V battery-powered
	CP5030		Bandwidth: 50 MHz; Maximum continuous current 30 Arms; Peak current 50 A;Switching ratio: 100 mV/A, 1 V/A; AC/DC measurement accuracy: 1 A (±1%±1 mA); 100 mV/A (±1%±10 mA); Standard DC12 V/1.2 A power adapter
	CP5030A		Bandwidth: 100 MHz; Maximum continuous current 30 Arms; Peak current 50 A;Switching ratio: 100 mV/A, 1 V/A; AC/DC measurement accuracy: 1 A (±1%±1 mA); 100 mV/A (±1%±10 mA); Standard DC12 V/1.2 A power adapter
	CP5150		Bandwidth: 12 MHz; Maximum continuous current 150 Arms; Peak current 300 A;Switching ratio: 100 mV/A, 1 V/A; AC/DC measurement accuracy: 100 mV/A(±1%±1 mA); 10 mV/A (±1%±10 mA); Standard DC12 V/1.2 A power adapter
	CP5500		Bandwidth: 5 MHz; Maximum continuous current 500 Arms; Peak current750 A; Switching ratio: 100 mV/A, 10 mV/A; AC/DC measurement accuracy: 100 mV/A (±1%±1 mA); 10 mV/A (±1%±10 mA); Standard DC12 V/1.2 A power adapter
High Voltage Differential Probe	DPB4080		Bandwidth: 50 MHz; Maximum input differential voltage 800 V (DC + Peak AC); Range selection (attenuation ratio):10 X/100 X; Accuracy: ±1%; Standard DC 9 V/1 A power adapter
	DPB5150		Bandwidth: 70 MHz; Maximum input differential voltage 1500 V (DC + Peak AC); Range selection (attenuation ratio): 50 X/500 X; Accuracy: ±2%; Standard 5 V/1 A USB power adapter
	DPB5150A		Bandwidth: 100 MHz; Maximum input differential voltage 1500 V (DC + Peak AC); Range selection (attenuation ratio): 50 X/500 X; Accuracy: ±2%; Standard 5 V/1 A USB power adapter

Туре	Model	Picture	Specifications
High Voltage Differential Probe	DPB5700		Bandwidth: 70 MHz; Maximum input differential voltage 7000 V (DC + Peak AC); Range selection (attenuation ratio): 100 X/1000 X; Accuracy: ±2%; Standard 5 V/1 A USB power adapter
	DPB5700A		Bandwidth: 100 MHz; Maximum input differential voltage 7000 V (DC + Peak AC); Range selection (attenuation ratio): 100 X/1000 X; Accuracy: ±2%; Standard 5 V/1 A USB power adapter
High Voltage Probe	HPB4010		Bandwidth: 40 MHz; Maximum measurement voltage DC: 10 KV; AC (rms) : 7 KV (sine) ;AC (Vpp) :20 KV (Pulse); attenuation ratio1:1000; Accuracy: ≤3%
Isolated front end	ISFE		USB 5 V power supply, plug and play, the maximum input voltage 600 Vp-p, floating test. Work with oscilloscopes.
GPIB	USB-GPIB		USB-GPIB Adapter, USB Device expanded into GPIB interface.
Demo board	STB Test Board		Optional accessories For experimental teaching and product demos

Ordering information

Description	Model				
50 MHz, 2 CH, 500 MSa/s (Max.) , 32 Kpts, 7inch (800*480) LCD	SDS1052DL+				
70 MHz, 2 CH, 1 GSa/s (Max.) , 2 Mpts, 7inch (800*480) LCD	SDS1072CML+				
100 MHz, 2 CH, 1 GSa/s (Max.) , 2 Mpts, 7inch (800*480) LCD	SDS1102CML+				
150 MHz, 2 CH, 1 GSa/s (Max.) , 2 Mpts, 7inch (800*480) LCD	SDS1152CML+				
Standard Accessories					
USB Cable -1					
Quick Start-1					
Certificate of Calibration-1					
Passive Probe-2					
Quality Certificate-1					
Power Cord -1					
CD (Included User Manual and EasyScopeX software-1)					
Optional Accessories					
Isolated Front End	ISFE				
USB-GPIB Adapter	USB-GPIB Adapter				
STB Demo board	STB				
High Voltage Probe	HPB4010				
Current Probe	CP4020/CP4050/CP4070/CP4070A/CP5030/CP5030A/ CP5150/CP5500				
Differential Probe	DPB4080/DPB5150/DPB5150A/DPB5700/DPB5700A				

SDS1000DL+/CML+ Series Digital Oscilloscope



About SIGLENT

SIGLENT is an international high-tech company, concentrating on R&D, sales, production and services of test & measurement instruments.

SIGLENT began developing Digital Oscilloscope independently in 2002. After more than a decade of development, SIGLENT has extended its products to include digital oscilloscopes, function/arbitrary waveform generators, digital multimeters, DC power supplies, spectrum analyzers, isolated handheld oscilloscopes and other general purpose test instrumentation. Since its first oscilloscope ADS7000 series launched in 2005, SIGLENT has become the fastest growing manufacturer of digital oscilloscope over the past 14 years. Today, SIGLENT is the best value in electronic test & measurement.

Headquarter:

SIGLENT TECHNOLOGIES CO., LTD. Add: Blog No.4 & No.5, Antongda Industrial Zone, 3rd Liuxian Road, Bao'an District, Shenzhen, 518101, China. Tel: + 86 755 3661 5186 Fax: + 86 755 3359 1582 Email: sales@siglent.com; Website: http://www.siglent.com/ens/

USA:

SIGLENT Technologies America, Inc 6557 Cochran Rd Solon, Ohio 44139 Tel: 440-398-5800 Toll Free: 877-515-5551 Fax: 440-399-1211 Email: info@siglent.com Website: www.siglentamerica.com

Europe:

SIGLENT TECHNOLOGIES EUROPE GmbH ADD: Liebigstrasse 2-20, Gebaeude 14, 22113 Hamburg Germany Tel: +49(0)-819-95946 Fax: +49(0)-819-95947 Email: info-eu@siglent.com Website: www.siglenteu.com

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