SDS 1000 Series Digital Storage Oscilloscope

Photograph / Specification				
Model/ Bandwidth	SDS1072/4CFL 70MHz	SDS1072CML 70MHz	SDS1072CNL 70MHz	SDS1022DL 25MHz
	SDS1102/4CFL 100MHz	SDS1102CML 100MHz	SDS1102CNL 100MHz	SDS1052DL 50MHz
	SDS1202/4CFL 200MHz			SDS1102DL 100MHz
	SDS1302/4CFL 300MHz	SDS1152CML 150MHz	SDS1202CNL 200MHz	SDS1202DL 200MHz
Real time sampling rate	2GSa/s	1GSa/s	1GSa/s	500MSa/s
Memory depth	24Kpts	2Mpts	40Kpts	32Kpts
Channels	2/4CH+1EXT	2CH+1EXT	2CH+1EXT	2CH+1EXT
Display	7 inches color TFT-LCD			

*SDS1202CNL is slightly different, please ask siglent sales

SDG1000/SDG5000 Series Function/Arbitrary Waveform Generator

Photograph / Specification		
Model	SDG1005/1010/1020/1025/1050	SDG5082/5122/5162
Maximum output frequency	5/10/20/25/50MHz	80/120/160MHz
Output channels	2	2
Sampling rate	125MSa/s	500MSa/s
Waveform length	16Kpts	CH1:16Kpts CH2:512Kpts
Amplitude(high impedance)	CH1:4mVpp~20Vpp(≤10MHz) 4mVpp~10Vpp(>10MHz) CH2:4mVpp~6Vpp	2mVpp~20Vpp(≤40MHz) 2mVpp~10Vpp(40MHz~100MHz) 2mVpp~5Vpp(100MHz~130MHz) 2mVpp~3Vpp(130MHz~160MHz)
Interface	USB Host,USB Device (standard) ; USB-GPIB(optional)	USB Host,USB Device (standard) ; LAN,GPIB,USB-GPIB(optional)
Modulation function	AM,DSB-AM,FM,PM,ASK,FSK,PWM,Sweep,Burst	

Accessories

Photograph				
Item	Isolated Front End(ISFE)	USB-GPIB Communication module	Oscilloscope carrying case	Ordinary passive voltage probe
Specification	Input voltage: -600Vpk ~ +600Vpk, USB supply power Bandwidth: ≤1MHz	Based on IEEE488.2 Standard USB supply power	Color: Black Material:100% Polyester	Bandwidth: 25M ~ 300M 1X: <300V DC +Peak AC 10X: <600V DC +Peak AC

SHS1000/SHS800 Series Handheld Digital Oscilloscope

Photograph / specification	 SHS1000 series(isolated)		 SHS800 series(economical)	
Model	SHS1062	SHS1102	SHS806	SHS810
Oscilloscope Specifications				
Bandwidth	60MHz	100MHz	60MHz	100MHz
Channels	2		2	
Real time sampling rate	1GSa/s			
Memory depth	2Mpts			
Vertical sensitivity	5 mV – 100V/div		2 mV – 100V/div	
Oscilloscope trend plot	800K points			
Multimeter Specifications				
Maximum resolution	6000			
Measurement items	DCV,ACV,DCI,ACI,Capacitance,Impedance			
Continuity	<50 Ω Buzzer sounds			
Diode	0V—2V			
Multimeter trend plot	1.6M points			
Input channel voltage				
BNC directly input	CAT II 300V			
Probe input	CAT II 1000V, CAT III 600V		stander probe:CATII 400V optional probe:CATII 1000V;CATIII 600V	
Max. float voltage between BNC reference and earth ground	CAT II 1000V, CAT III 600V		/	
Max. float voltage between BNC references	CAT II 1000V, CAT III 600V		/	
Max. input voltage of multimeter	DC 1000V,AC 750V			
Oscilloscope and multimeter safty level	CAT II 600V, CAT III 300V			
General Feature				
Display	5.7 inches color TFT–LCD			
Operating time	>3 hours		>5hours	

SSA3030/SSA1010 Spectrum Analyzer

Photograph / specification			
Model		SSA3030	SSA1010
Frequency	Range	9KHz to 3GHz	9KHz to 1GHz
RBW	Range	5Hz to 500KHz(1 to 10 continuous), 1MHz, 3MHz	10Hz to 500KHz(1 to 10 continuous), 1MHz, 3MHz
	VBW	10Hz to 3MHz, 1–3–10 steps	
DANL (10Hz RBW)		–122dBm (average)	–140dBm (average)

SDS1000DL/CNL/CML Series Digital Storage Oscilloscope

Application

- Electronic circuit design and debugging
- Electrical circuit function test
- Inspect instantaneous signal
- Industrial control and measuring
- Products quality control
- Education and training

Features and Benefits

- Up to 200MHz Bandwidth, 1GSa/s sampling rate
- 7 inches color TFT–LCD display, 480*234
- Channels: 2CH+1 EXT
- 500M~1GSa/s sampling rate, 5K~2Mpts memory depth
- 6 digits hardware frequency counter, real time counting display
- Support SCPI programming command control
- Interface: USB device, USB host, RS–232, Pass/Fail
- Unique digital filter and data recorder function
- Embedded 12 languages, online help, one key storing and one key printing

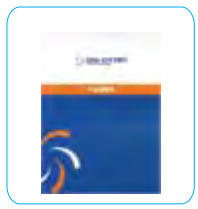
SDS1000DL/CNL/CML Series Digital Storage Oscilloscope

Specifications

Model	SDS1022DL	SDS1072CNL	SDS1202CNL	SDS1072CML
	SDS1052DL			SDS1102CML
	SDS1102DL	SDS1102CNL		SDS1152CML
	SDS1202DL			
Bandwidth	25/50/100/200MHz	70/100MHz	200MHz	70/100/150MHz
Channels	2CH +1EXT			
Real time sampling rate	500MSa/s	1GSa/s	Each channel:1GSa/s	1GSa/s
Equivalent sampling rate	50GSa/s(SDS1022DL:10GSa/s)			
Memory depth	32Kpts	40Kpts	5Kpts/CH	2Mpts
Input impedance	1MΩ||17pF			
Vertical sensitivity	2mV ~ 10V/div		2mV ~ 5V/div	2mV ~ 10V/div
Vertical resolution	8bit			
Trigger source	CH1,CH2,EXT,EXT/5,AC Line			
Trigger types	Edge, Pulse, Video, Slope, Alternative			
Math operation	+, – , * , / ,FFT			
Digital filter	High pass, Low pass, Band pass, Band stop			
Data recorder function	√	√	×	√
Max input voltage	±400 V (DC+AC Pk–Pk) CAT Ⅰ CAT Ⅱ			
Internal storage	2 groups of reference waveform, 20 groups of setting(SDS1000CML:10groups), 20 groups of waveform			
External storage	Bitmap save, CSV save, Waveform save, Setting save			
Lasting	Turn off,1s,2s,5s,infinite			
Language	English, French, German, Russian, Spanish, Simplified Chinese, Traditional Chinese, Portuguese, Japanese, Korean, Italian, Arabic			
Interface	USB Host,USB Device,RS–232,Pass/Fail			
Display	7 inches color TFT–LCD, 480*234			
Power	AC 100–240V,45Hz–440Hz,50VA Max			

Standard Accessories




SDS 1000CFL Series Digital Storage Oscilloscope

Application

- Embedded electronic circuit design and test
- Mechanical and electrical products design and analysis
- Education and research
- Product quality control
- Real–time signal display
- Product test, circuit function test

Features and Benefits

- Up to 300MHz bandwidth,2GSa/s real time sampling rate
- 7 inches color TFT–LCD, 480*234
- 6 digits hardware frequency counter,real time counting display
- Internal storage: 2/4 reference waveforms, 20 setups, 20 waveforms
- 5 triggers functions: Edge, Pulse, Video, Slope, Alternative
- 4 saving types: Setup data, Waveform data, Interface bitmap, CSV file
- Digital filter function, one key storing and one key printing function
- Interface: USB Host, which supports USB Flash driver storage and firmware upgrading, USB Device,which supports remote control and PictBridge printing, LAN, Pass/Fail

Specifications

Model	SDS1302CFL SDS1304CFL	SDS1202CFL SDS1204CFL	SDS1102CFL SDS1104CFL	SDS1072CFL SDS1074CFL
Bandwidth	300MHz	200MHz	100MHz	70MHz
Channels	4CH+1EXT/2CH+1EXT			
Real time sampling rate	2GSa/s(half channel), 1GSa/s(each channel)			
Equivalent sampling rate	50GSa/s			
Memory depth	24Kpts(half channel), 12Kpts(each channel)			
Rise time	<1.2ns	<1.7ns	<3.5ns	<5.0ns
Input impedance	1MΩ||13pF, 50Ω		1MΩ||13pF	
Time base range	1.0ns–50s/div	2.5ns–50s/div	2.5ns–50s/div	5ns–50s/div
	Scan: 100ms–50s/div			
Vertical sensitivity	2mV–5V/div(1–2–5 order)			
Vertical resolution	8 bit			
Trigger source	CH1, CH2, CH3,CH4,EXT, EXT/5, AC Line			
Trigger types	Edge, Pulse, Video, Slope, Alternative			
Math operation	+, –, *, /, FFT			
Digital filter	High pass, Low pass, Band pass, Band stop			
Max input voltage	±400 V (DC+AC Pk–Pk) CATI CATII			
Internal storage	2/4 groups of reference waveforms, 20 groups of settings, 20 groups of waveform			
External storage	Bitmap save, CSV save, Waveform save, Setting save			
Language	English, French, German, Russian, Spanish, Simplified Chinese, Traditional Chinese, Portuguese, Japanese, Korean, Italian, Arabic			
Interface	Double USB Host, USB Device, LAN, Pass/Fail			
Display	7 inches color TFT–LCD (480*234)			

SDG1000 Series Function/Arbitrary Waveform Generator

Application

- IC test
- Analog sensor
- Simulate environment signals
- Electrical circuit function test
- Education and training

Features and Benefits

- Apply DDS technology, double channels output , phase adjustable
- Output frequency up to 50MHz,125MSa/s sampling rate, 14bit vertical resolution, 16Kpts wave length
- 5 types of standard waveforms, built–in 48 types of function waveforms
- Abundant modulation functions, sweep–frequency output, burst output
- Built–in high precision frequency counter, frequency up to 200MHz
- Standard interfaces: USB Device, USB Host
- USB–GPIB adapter optional
- Seamlessly work with Siglent Digtial Storage Oscilloscope and support remote command control

Specifications

Model	SDG1050	SDG1025	SDG1020	SDG1010	SDG1005
Maximum output frequency	50MHz	25MHz	20MHz	10MHz	5MHz
Output channels	2				
Sampling rate	125MSa/s				
Wave length	16Kpts				
Frequency resolution	1 μ Hz				
Vertical resolution	14bit				
Waveform	Sine, Square, Ramp, Pulse, Gaussian white noise, 48 types of built–in function waveforms,Arb				
Modulation function	AM, DSB–AM, FM, PM, FSK, ASK, PWM, Sweep, Burst				
Amplitude	CH1: 2mVpp~10Vpp(50Ω), 4mVpp~20Vpp(high impedance) CH2: 2mVpp~3Vpp(50Ω), 4mVpp~6Vpp(high impedance)				
Frequency counter	Frequency range: 100mHz ~ 200MHz				
Interface	USB Host, USB Device				
Optional interface	USB–GPIB adapter				
Dimension	229mm*105mm*281mm				

SDG5000 Series Function/Arbitrary Waveform Generator

Application

- IC test
- Analog sensor
- Simulate environment signals
- Electrical circuit function test
- Education and training

Features and Benefits

- Apply DDS technology, double channels output, phase adjustable
- Output frequency up to 160MHz,500MSa/s sampling rate, 14bit vertical resolution, 512Kpts wave length
- 2ppm high frequency stability,–108dBc/Hz low phase noise
- Abundant modulation functions, sweep–frequency output, burst output
- Built–in high precision frequency counter, frequency up to 200MHz
- Standard interfaces: USB Device, USB Host
- Seamlessly work with Siglent Digital Storage Osciclоscope and support remote command control

Specifications

Model	SDG5162	SDG5122	SDG5082
Maximum output frequency	160MHz	120MHz	80MHz
Output channels	2		
Sampling rate	500MSa/s		
Wave length	CH1:16Kpts,CH2:512Kpts		
Frequency resolution	1 μ Hz		
Vertical resolution	14bit		
Waveform	Sine, Square, Ramp, Pulse, Gaussian white noise, Arb		
Modulation function	AM, DSB–AM, FM, PM, FSK, ASK, PWM, Sweep, Burst		
Amplitude	CH1/CH2≤40MHz: 1mVpp~10Vpp(50Ω), 2mVpp~20Vpp(high impedance) 40MHz~100MHz: 1mVpp~5Vpp(50Ω), 2mVpp~10Vpp(high impedance) 100MHz~130MHz: 1mVpp~2.5Vpp(50Ω), 2mVpp~5Vpp(high impedance) 130MHz~160MHz: 1mVpp~1.5Vpp(50Ω),2mVpp~3Vpp(high impedance)		
Frequency counter	Frequency range: 100mHz ~ 200MHz		
Interface	USB Host, USB Device		
Optional interface	GPIB(IEEE–488), LAN		
Dimension	261mm*104.85mm*343.8mm		

SHS 1000 Series Isolated Handheld Digital Oscilloscope

Application

- Embedded electronic circuit design and test
- Mechanical and electrical products design and analysis
- Manufacturing and circuit function test
- Differential signal analysis
- Education and research

Features and Benefits

- Isolated oscilloscope channels, CAT Ⅱ 1000V and CAT Ⅲ 600V
  60MHz/100MHz bandwidth, 1G sampling rate, 2M memory depth, 7M recording length
- Combines the functions of oscilloscope, multimeter and recorder
- 32 types auto– measurements
- Support trend analysis, waveform recorder function
- Built–in lithium battery
- 5.7 inches color TFT–LCD

Specifications

Model	SHS1102	SHS1062
Bandwidth	100MHz	60MHz
Rise time	≤3.5ns	≤5.8ns
Real time sampling rate	1GSa/s	
Equivalent sampling rate	50GSa/s	
Vertical sensitivity	5mV–100V/div	
Time base range	2.5ns–50s/div	5ns–50s/div
	Scan: 100ms–50s/div	
Depth memory	2Mpts	
Triggering	Edge, Pulse, Video, Slope, Alternative	
Vertical resolution	8bit	
Hardware counter	6 digit triggering frequency counter	
Interface	USB Device, USB Host	
Math operation	+, -, *, /, FFT	

SHS 1000 Series Isolated Handheld Digital Oscilloscope

Multimeter Specification

Maximum resolution	6000 Counts	
Item	Range	Accuracy
DC voltage	60mV 60mV—1000V	±1%±15digit ±1%±5digit
AC voltage	60mV 60mV—750V	±1%±15digit ±1%±5digit
DC current	60mA 6A—10A	±1%±5digit ±1.5%±5digit
AC current	60mA 6A—10A	±1%±5digit ±1.5%±5digit
Capacitance	40nF 400nF—400μF	±3%±10digit ±4%±5digit
Resistance	600Ω – 60MΩ	±1%±5digit
Continuity	<50Ω Buzzer sounds	
Diode	0V–2V	
Trend plot	1.6M points	
Recorder	7M points	
Measuring mode	Manual/Auto	

Isolation Level

Max input voltage	
Input by input port directly	CAT Ⅱ 300V
Input by 10: 1 probe	CAT Ⅱ 1000V, CAT Ⅲ 600V
The max input voltage of multimeter	DC 1000V, AC 750V
Max floating voltage	
Float voltage between BNC reference and earth ground	CAT Ⅱ 1000V , CAT Ⅲ 600V
Float voltage between BNC reference	CAT Ⅱ 1000V , CAT Ⅲ 600V
Float voltage between multimeter reference and earth ground	CAT Ⅱ 600V , CAT Ⅲ 300V
Security: Isolated scopemeter should be designed according to the standard of level Ⅱ and pollution degree level Ⅱ, which applies to measure 1000V. Or according to the standard of level Ⅲ and pollution degree level Ⅱ ,which apply to measure 600V.	

General Feature

Display	5.7 inches color TFT–LCD, 320 * 234
Power supply	With battery or DC adapter to get power from outside
Power mode	Lithium battery: 7.4V 4500mAh,Battery lasts 3 hours; DC adapter: 100–240V 50/60Hz input 9V 4A output.
Net weight	1.5kg
Dimension	259.5mm*163.2mm*53.3mm
Accessories	Two Passive Probes,Multimeter pen,USB data cable,DC adapter,Manual,CD,Toolbox.

Standard Accessories






UTECO

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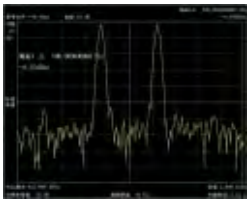
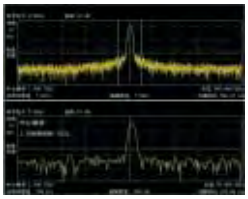
SSA3030 Spectrum Analyzer

Features and Benefits

- All digital IF design
- 9KHz to 3GHz frequency range
- 5Hz minimum Resolution Bandwidth (RBW)
- –122 dBm Dispalyed Average Noise Level (DANL)
- +33dBm maximum safe input level
- AM,FM demodulate
- Measurement functions (Channel power,ACPR,OBW,Chromatograms)
- Multi–window,local scaling measurements show
- 8.4 inches widescreen with 800*600 high resolution
- Various interface options such as USB,LAN,RS232,VGA and GPIB

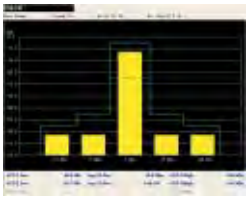
One key AUTO

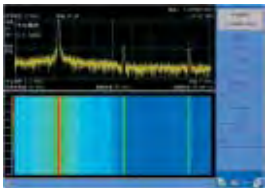




Window zoom

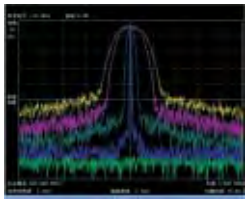
ACPR measurement





Chromatogram shows

Colorful trace

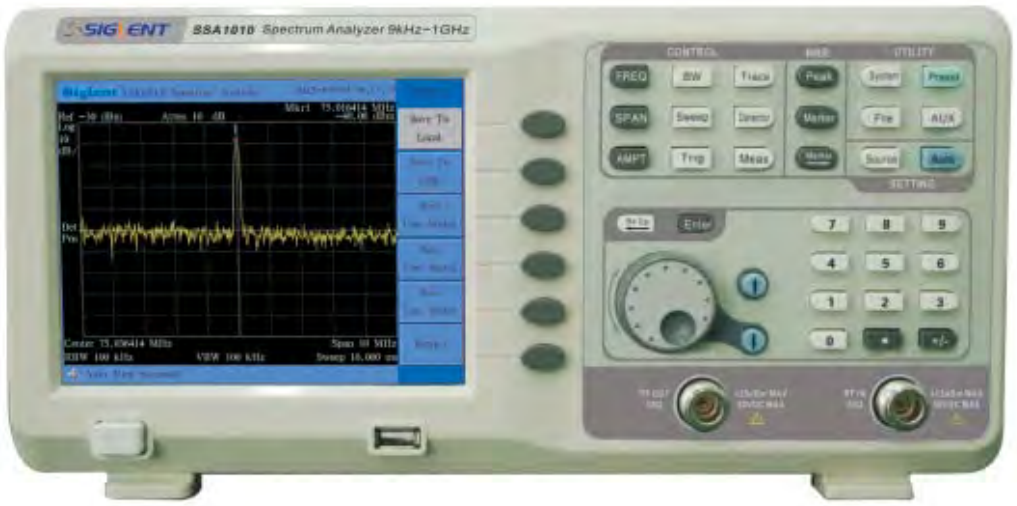


SSA3030 Spectrum Analyzer

Specifications

Frequency	Range	9KHz to 3GHz
	Resolution	1Hz
	Reading accuracy	± (frequency marker read value × frequency reference accuracy +1% × span +10% × RBW+0.5 × [span/(span spot−1)]+1Hz)
RBW	Range	5Hz to 500KHz(1 to 10 continuous), 1MHz, 3MHz
	Accuracy	<5%
	VBW	10Hz to 3MHz, 1−3−10 steps
DANL(10Hz RBW)	1MHz	−120dBm
	120MHz	−124dBm
	600MHz	−122dBm
	1250MHz	−125dBm
	1850MHz	−123dBm
	2350MHz	−121dBm
	2650MHz	−120dBm
	3000MHz	−118dBm
Phase noise	−85dBc/Hz@10KHz(typ.)	
Sweep time	100Hz≤SPAN≤3GHz	10ms to 3000s
Frequency counter	Resolution	1Hz, 10Hz, 100Hz, 1KHz
	Counter uncertainty	± (frequency marker read value × frequency reference accuracy +counter resolution)
Amplitude	Maximum safe input level	+33dBm(Average continuous power)
	Input attenuator range	0 to 50dB
Inputs/Outputs	RF input	N−type female(50Ω)
	Interface	USB, LAN, RS−232, VGA ,GPIB
General specification	Monitor	8.4 inches color TFT−LCD , 800*600
	Net weight	7.6kg
	External dimension	390mm*182mm*230mm
	Operational environment	0℃ to 45℃
	Storage environment	−25℃ to +70℃
	Power	110VAC/220VAC ± 15%, 40Hz to 60Hz, ≤60W

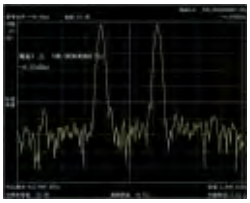
SSA1010 Spectrum Analyzer

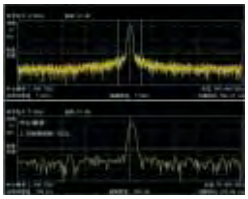


Features and Benefits

- All digital IF design
- 9kHz to 1GHz Frequency Range
- 10Hz Minimum Resolution Bandwidth (RBW)
- Up to –140dBm Displayed Average Noise Level (DANL)
- +23 dBm Maximum safe input level
- Standard preamplifier function and AM,FM demodulate
- Measurement functions (Channel power, ACPR, OBW, Chromatograms)
- Multi–window, local scaling measurements show
- 6.5inches widescreen with 640*480 high resolution
- Various interface options such as USB, LAN, RS–232, VGA

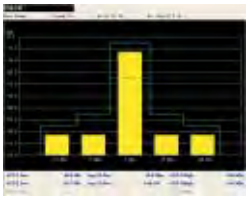
One key AUTO

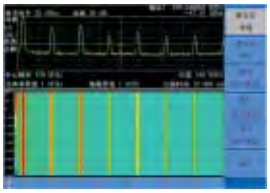




Window zoom

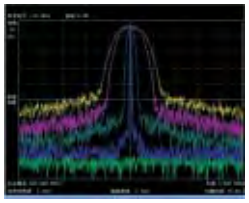
ACPR measurement





Chromatogram shows

Colorful trace



UTECO

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SPD3303 Series Programmable Linear DC Power Supply

Application

- R&D lab general purpose testing
- Teaching lab experiment
- Automotive electronic test
- Production testing and quality assessment inspection

Features and Benefits

- Separate control and independent triple output s:30V/30A*2,2.5V/3.3V/5V/3A*1,total 195W power
- 5 digits voltage and 4 digits current display, min resolution: 1mV, 1mA
- Three output modes: independent, series and parallel connect; support timing output, waveform display and SCPI remote command
- 4.3 inches TFT–LCD display with 480*272 high–resolution
- 110V/120V/220V/230V compatible design, to meet the need of different grid
- Smart temperature controlled fan, effectively reduce the noise
- Save/Recall 5 group system specifications, support data storage expansion

Specifications

Model	SPD3303D			SPD3303S		
Channels	CH1	CH2	CH3	CH1	CH2	CH3
DC voltage range	0–30V		2.5/3.3/5.0V	0–30V		2.5/3.3/5.0V
DC current range	0–3A		0–3A	0–3A		0–3A
Max output power	195W					
Min voltage/current resolution	10mV 10mA			1mV 1mA		
Ripple noise	≤1mVrms(5Hz ~ 1MHz)					
Transient response time	< 100 μ s					
Standard interface	USB Device					
Display	4.3 inches TFT–LCD 480*272					
Votage/Current display digits	4 digits voltage and 3 digits current display			5 digits voltage and 4 digits current display		
Dimension	210mm(W) × 130mm(H) × 265mm(D)					
Net weight	7kg					

SSA1010 Spectrum Analyzer

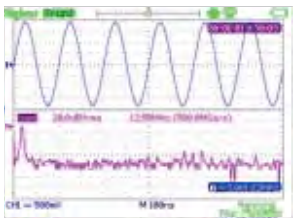
Specifications

Frequency	Range			9KHz to 1GHz			
	Resolution			1Hz			
	Reading accuracy			±(frequency marker read value × frequency reference accuracy +1% × span +10% × RBW +0.5 × [span/(span spot−1)]+1Hz)			
RBW	Range			10Hz to 500KHz(1 to 10 continuous), 1MHz, 3MHz			
	Accuracy			<5%			
	VBW			10Hz to 3MHz, 1−3−10 steps			
DANL(10Hz RBW)	Preamplifier On			Preamplifier Off			
	1MHz	500MHz	1000MHz	100KHz	1MHz	500MHz	1000MHz
	−139dBm	−140dBm	−143dBm	−95dBm	−122dBm	−125dBm	−120dBm
Phase noise	−85dBc/Hz@10KHz(typ.)						
Sweep time	100Hz≤SPAN≤1GHz			10ms to 3000s			
Total Amplitude Uncertainty	±1.5dB						
Amplitude	Maximum safe input level			+23dBm(Average continuous power)			
	Input attenuator range			−50dB to 0			
Inputs/Outputs	RF input			N−type female(50Ω)			
	Interface			USB, LAN, RS−232, VGA			
General specification	Monitor			6.5 inches color TFT−LCD , 640*480			
	Weight			4kg			
	External dimension			330mm*163mm*165mm			
	Operational environment			0℃ to 45℃			
	Storage environment			−25℃ to +70℃			
	Power			180V to 250V AC, 40Hz to 60Hz, 35W Max			

SHS 800 Series Handheld Digital Oscilloscope

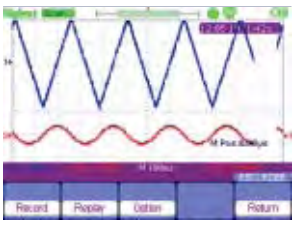
Application

- Automotive electronics, electric automobiletest
- Power system strong electricity test
- Plant automation control system



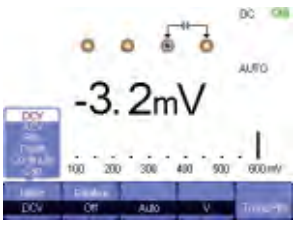
High–performance oscilloscope

Bandwidth:100MHz,60MHz
Real–time sampling rate:1GSa/s
Memory depth,2Mpts.



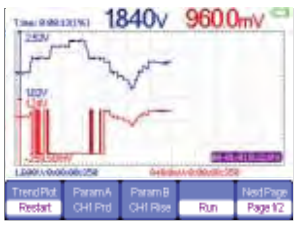
Data recorder function

7M internal storage, up to18 hours recording time
USB port, up to 3000 hours recording time
Record, replay and zoom function supported.



High precision multimeter

6000 counts display
Accurate measurement of DCV, ACV, DCI, ACI
Accurate measurement of Resistance, Diode, Capacitance, Continuity.



TrendPlot

32 measurement trendplot analyzer
Scope,800k points capacity, more than 24 hours recording
Meter,1.6M points capacity 9320 hours recording time at 0.05Sa/s

SHS 800 Series Handheld Digital Oscilloscope

Specifications

Model	SHS810	SHS806
Bandwidth	100MHz	60MHz
Rise time	≤3.5ns	≤5.8ns
Real time sampling rate	1GSa/s	
Equivalent sampling rate	50GSa/s	
Vertical sensitivity	2mV–100V/div	
Time base range	2.5ns–50s/div	5ns–50s/div
	Scan: 100ms–50s/div	
Memory depth	2Mpts	
Triggering	Edge, Pulse, Video, Slope, Alternative	
Vertical resolution	8 bit	
Triggering frequency counter	6 digit	
Interface	USB Device、USB Host	
Math operation	+, –, *, /, FFT	
Display	5.7 inches color TFT–LCD, 320 * 234	

Multimeter Specification

Display	6000 Counts	
Item	Range	Accuracy
DC voltage	60mV 60mV—1000V	±1%±15digit ±1%±5digit
AC voltage	60mV 60mV—750V	±1%±15digit ±1%±5digit
DC current	60mA 6A—10A	±1%±5digit ±1.5%±5digit
AC current	60mA 6A—10A	±1%±5digit ±1.5%±5digit
Capacitance	40nF 400nF—400μF	±3%±10digit ±4%±5digit
Resistance	600Ω – 60MΩ	±1%±5digit
Continuity	<50Ω Buzzer sounds	
Diode	0V–2V	
Trend plot	1.6M points	
Recorder	7M points	
Measuring mode	Manual/Auto	

General Feature

Power supply	Charging/Battery
Power mode	Lithium battery: 7.4V 5000mAh,Battery lasts 5 hours; DC adapter: 100–240V 50/60Hz input, 9V 4A output.
Net weight	1.5kg
Dimension	259.5mm*163.2mm*53.3mm
Accessories	Two passive probes, multimeter pen, USB data cable, DC adapter, manual, CD.

Ordinary Passive Voltage Probe

Model	PB 460	PP 510	PP 215	PP 430
Attenuation	1X/10X	1X/10X	1X/10X	1X/10X
Input capalitance	1MΩ/10MΩ	1MΩ/10MΩ	1MΩ/10MΩ	1MΩ/10MΩ
Input resistance	1×:85pF–120pF	1×:85pF–120pF	1×:85pF–120pF	1×:46pF
	10×:18.5pF–22.5pF	10×:18.5pF–22.5pF	10×:16pF–20pF	10×:12pF
Compensation scope	15pF–45pF	10pF–30pF	10pF–35pF	10pF–35pF
System bandwidth	1X：DC–6MHz	1X：DC–6MHz	1X：DC–6MHz	1X：DC–10MHz
	10X:DC–60MHz	10X:DC–100MHz	10X:DC–150MHz	10X:DC–300MHz
Input voltage	1X: < 300V DC +Peak AC	1X: < 300V DC +Peak AC	1X: < 300V DC +Peak AC	1X: < 300V DC +Peak AC
	10X: < 600V DC +Peak AC	10X: < 600V DC +Peak AC	10X: < 600V DC +Peak AC	10X: < 600V DC +Peak AC
Operating temperature range	–15℃—+75℃	–15℃—+75℃	–15℃—+75℃	+5℃—+40℃
Net weight	50g	50g	50g	50g
Cable length	120cm	120cm	120cm	120cm

Isolated Front End
(ISFE)

Specifications

Input voltage range	–600Vpk ~ +600Vpk
Attenuation ratio	200:1
Bandwidth	≤1MHz
Output voltage range	–3Vpk ~ +3Vpk
Working voltage	5V ± 5%，USB power
Working current	<200mA
Float voltage between channel and ground	1000Vrms
Float voltage between each channel	2000Vrms
Input Resistance	9 MΩ

Probes and Accessories

High Voltage Attenuation Probe HPB450	Current Probe CP401	Current Probe CP503
		
50MHz Bandwidth 1000X Attenuation ratio 15KV Max working voltage	AC/DC Current measurement 5mA–100A Measuring range 100mV/A,10mV/A Switch ratio	40MHz Bandwidth 30Arms Max measuring voltage 50A (< 10 μ s) Max peak voltage
High Voltage Differential Probe DPB425	**High Voltage Differential Probe DPB450**	**High Voltage Differential Probe DPB410**
		
25MHz Bandwidth 10X/100X Attenuation ratio 700V Max differential voltage	50MHz Bandwidth 6500V Max differential voltage 100X/200X/500X/1000X Attenuation ratio	100MHz Bandwidth 6500V Max differential voltage 100X/200X/500X/1000X Attenuation ratio
High Voltage Differential Probe DPB530	**USB–GPIB Communication module**	**Oscilloscope carrying case**
		
30MHz Bandwith 50X/500X Attenuation ratio 1300V Max differential voltage	USB–GPIB Communication module Compatible with SDS1000 oscilloscope	SDS1000 oscilloscope carrying case