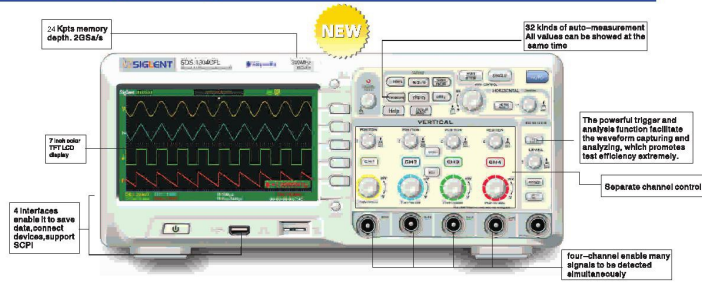


Portable Digital Storage Oscilloscope SDS1000CFL Series



Size:358mm x 156mm x 118mm Weight:4.5kg

Application

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

Features and benefits

- 6 digit hardware frequency counter, real time counting display;
- Storage for: Four reference waveforms, 20 settings, 20 internally saved waveforms;
- 5 triggers: Edge, pulse, video, slope, alternative ;
- 4 saved types: setup data, waveform data, interface bitmap, CSV document;
- Unique digital filtering and data recorder function;
- Real-time display date and time;
- 12 languages, embedded online help, one key storing and one key printing function;

Specifications

Model	SDS1304CFL/ SDS1302CFL	SDS1204CFL/ SDS1202CFL	SDS1104CFL/ SDS1102CFL	SDS1064CFL/ SDS1062CFL
Bandwidth	300MHz	200MHz	100MHz	60MHz
Channels	4CH+1EXT/2CH+1EXT			
Real time sampling rate	1GSa/s(each channel),2GSa/s(half channel)			
Equivalent sampling rate	50Q Sa/s			
Memory depth	12Kpts(each channel),24Kpts(half channel)			
Rise time	<1.2ns	<1.7ns	<3.5ns	<5.8ns
Input Impedance	1MQ 13pF, 50Ω		1MQ 13pF	
Time base range	1.0ns/div~50s/div	2.5ns/div~50s/div	2.5ns/div~50s/div	5ns/div~50s/div
	Roll : 100ms~50s/div			



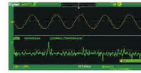
Vertical sensitivity	2mv~5v/div(1~2~5 order)
Vertical resolution	8bit
Trigger source	CH1, CH2, CH3,CH4, EXT, EXT/5, AC Line
Trigger types	Edge, pulse, video, slope, alternative
Math operation	+,-,*,/,FFT,invert
Digital filter	High pass, low pass, band pass, band stop
Max input voltage	± 400V Pk-Pk CAT I
Internal storage	4 groups of reference waveform, 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 Interface
Display	7 inches(178mm) color TFT(480*234) LCD

Powerful function



Auto measure function

32 types of auto-measurements, 3 types of cursor modes, can display all the measured parameters on the screen simultaneously; plenty of cursor modes meet measuring needs.



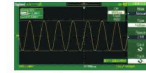
FFT split display

Equipped with the function of analyzing signals in frequency domain. Channel waveform and FFT waveform display simultaneously on the split screen make waveform observation more visualized and convenient.



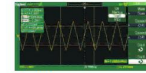
Plenty of interface capabilities

SDS1000CFL series oscilloscopes are compatible with the LXI standard and support SCPI programming control commands, making test systems easy to create and configure, and easily integrate into test systems with display also.



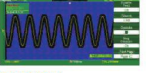
Manual mode

Including time, voltage test. The distance between two cursors can be adjusted manually while measuring time and voltage



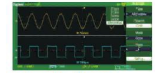
Tracking mode

Cursor can track waveform automatically, through rotating universal knob to adjust cursor's horizontal position, then its vertical position will be altered accordingly



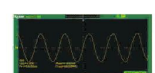
PASS/FAIL

You can also make special signal templates for testing item on a production line, improving testing efficiency, with the capability of stopping production immediately using the pass/fail output when the output signal is wrong.



Alternative trigger

In order to stabilize two signals with different frequency, you can choose different triggers for each channel, which like having an analog oscilloscope in a digital oscilloscope.



pop-up menu

A pop-up menu display mode enables the menu to be hidden at any time, thus waveforms can be observed more clearly by displaying in 16 grids.

