

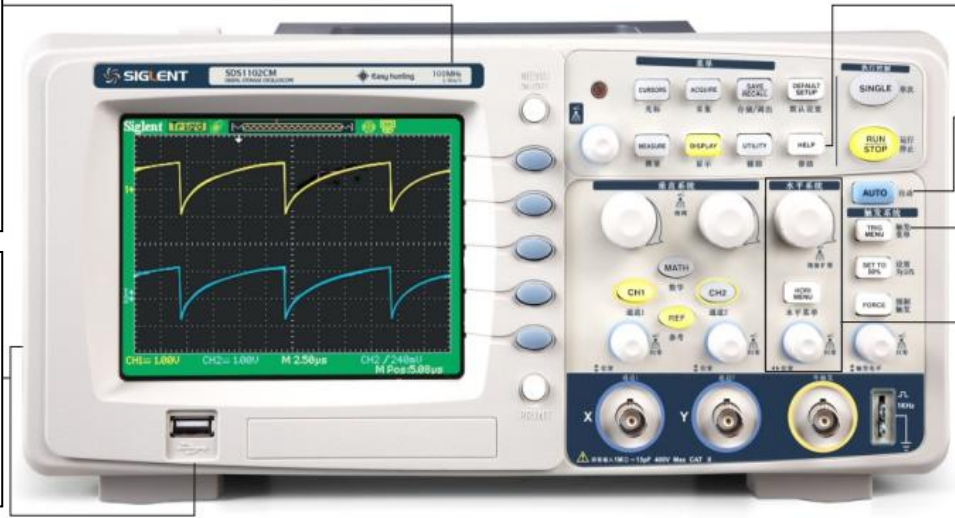
## Portable Digital Storage Oscilloscope

### SDS1000CM Series

- 1G Sa/s real time sampling rate, own the deepest memory depth 2Mpts in same level products
- Be up to 150MHz bandwidth

2Mpts memory depth can either display the whole picture or part of it

double USB port enable the waveform been printed or saved



online help facilitate the operation

waveform self-identify function can display proper period and testing data immediately

plenty triggering function locates useful waveform

move/zooming makes waveform navigation pretty simple

**Size: 305mm\*133mm\*154mm    Weight:2.3kg**

#### ◆ Application

- electronic circuit design and test
- electro circuit function test
- inspect instant signal
- industrial control measuring
- products quality control
- education and training

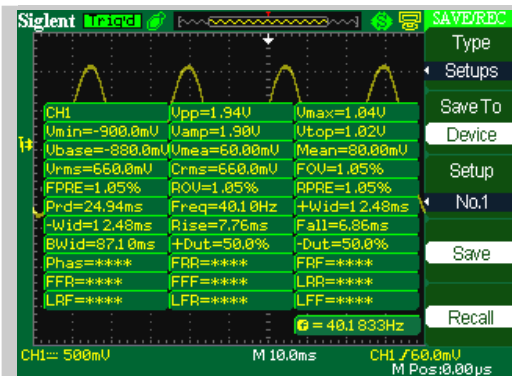
#### ◆ Features and advantages

- The highest bandwidth is 100MHZ, real time sampling rate is 1GSa/s, equivalent sampling rate is 50GSa/s
- 2Mpts memory depth
- 5 triggering functions: edge, pulse, video, slope, alternative
- Screen-saver function (one minute to 5 hours)
- Unique digital filter and waveform recording function
- Interface configuration: USB Host, support U memory saving and firmware updating; USB Device; support PC remote control and PictBridge printing; RS-232; Pass/Fail interface

## ◆ Technical parameter

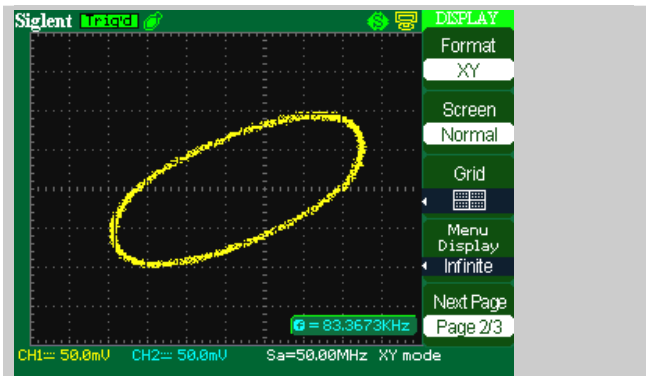
Model	SDS1152CM	SDS1102CM	SDS1062CM
Bandwidth	150MHZ	100MHZ	60MHZ
Channels	double channel plus one EXT trigger channel		
Real time sampling rate	1G Sa/s(single channel), 500M Sa/s(double channel)		
Equivalent sampling rate	50G Sa/s		
Memory depth	2Mpts		
Rise time	<2.4ns	<3.5ns	<5.8ns
Input impedance	1MΩ  17pF		
Time base range	2.5ns/div-50s/div,	2.5ns/div-50s/div,	5ns/div-50s/div
	Roll: 100ms-50s/div		
Vertical sensitivity	2mv-10v/div(1-2-5 order)		
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		
Max input voltage	±400V Pk-Pk CAT 1		
Internal save	2 groups of reference waveform, 20 groups of settings, 20 groups of waveform		
External save	Bitmap save, CSV save, waveform save, setting save		
Lasting	Turn off, 1s, 2s, 5s, infinite		
Language	Modern Chinese, ancient Chinese, English, Russian, French, Japanese, Korean, German, Arabic, Spanish, Italian,		
Connection	USB Host, USB Device, RS-232, Pass/Fail out		
Display	5.7 inches color TFT-LCD		
Power	AC 100-240V, 47HZ-440HZ, 50VA Max		

## ◆ Function



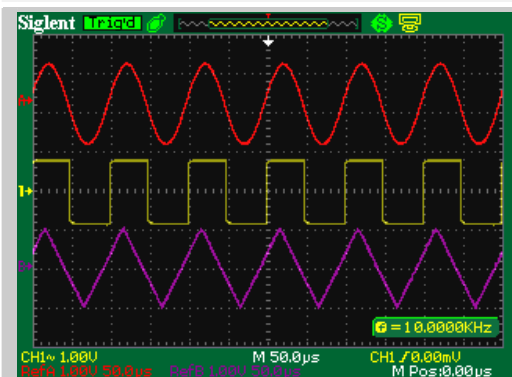
### 32 measuring types

Measure 32 parameters automatically, Users can select each one separately. 32 parameters could display at the same time



### XY mode display

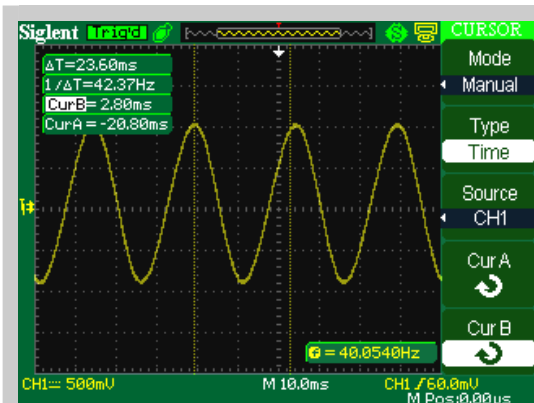
Use XY format to analyze phase shift, the picture in this kind of mode formed by points.



### Reference waveform

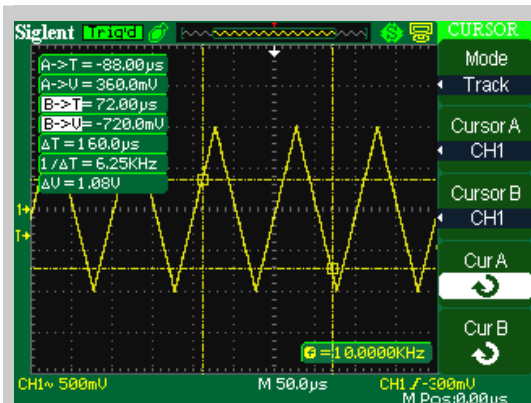
Can save two groups of reference waveform, and be able to open them at the same time. So the tested waveform and reference waveform can be compared.

## ◆ Cursor mode



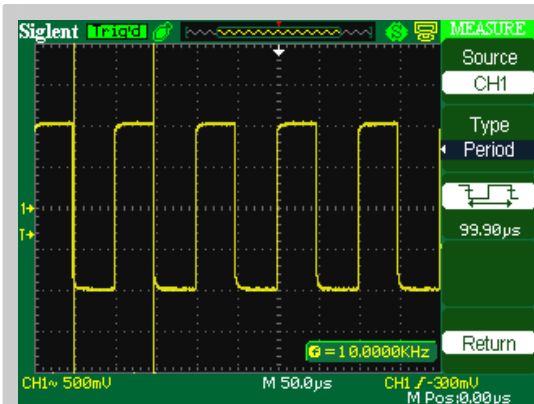
### Manual mode

Including: time and voltage measure. Adjust cursor space by hand to measure time and voltage.



### Tracing mode

The cursor trace waveform automatically. Alter the horizontal position of cursor by rotating universal knob, and then the vertical position will change automatically



### Auto-measuring

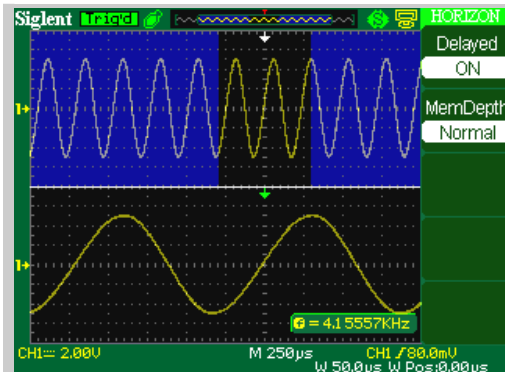
System will adjust cursor position according to the change of selective auto-measuring parameter and calculate corresponding parameters value.

## ◆ Excellent design



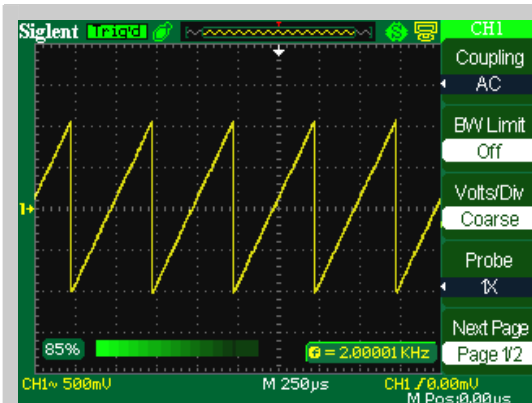
### Separate channel control

Separate channel control, simple operation; clear back light design of button makes working state is leap to eye.



### Delayed scanning

Apply the expansion technique of double-time base EasyZoom window to expand waveform in detail, either display the complete waveform or part of it.



### Adjustable waveform intensity

The waveform intensity can be adjusted according to different requirement.



# SIGLENT

*A leading portable Digital Storage Oscilloscope manufacturer*

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