

SDS1102

super- economical type digital storage oscilloscope

- + Bandwidth : 100MHz
- + 2-Channel
- + Sample rate : 1GS/s
- + Ultra-thin body
- + 7 inch high resolution LCD
- + SCPI, and LabVIEW supported

+ Performance Specifications

Model	SDS1102
Bandwidth	100MHz
Sample Rate	1GS/s
Horizontal Scale (s/div)	2ns/div - 1000s/div, step by 1 - 2 - 5
Rise Time (at input, typical)	≤3.5ns
Channel	2
Display	7" color LCD, 800 x 480 pixels
Input Impedance	1MΩ ± 2%, in parallel with 20pF±5pF
Channel Isolation	50Hz : 100 : 1, 10MHz : 40 : 1
Max Input Voltage	400V (PK - PK) (DC+AC, PK - PK)
DC Gain Accuracy	±3%
Record Length	10K
DC Accuracy (average)	Average≥16: ±(3% reading + 0.05 div) for ΔV
Probe Attenuation Factor	1X, 10X, 100X, 1000X
LF Respond (AC, -3dB)	≥10Hz (at input, AC coupling, -3dB)
Sample Rate / Relay Time Accuracy	±100ppm
Interpolation	sin (x) / x
Interval (ΔT) Accuracy (full bandwidth)	Single : ±(1 interval time + 100ppm x reading + 0.6ns), Average>16 : ±(1 interval time + 100ppm x reading + 0.4ns)
Input Coupling	DC, AC , and GND
Vertical Resolution (A/D)	8 bits (2 channels simultaneously)
Vertical Sensitivity	5mV/div - 5V/div (at input)
Trigger Type	Edge, Video
Trigger Mode	Auto, Normal, and Single
Trigger Level	±5 divisions from screen center
Line / Field Frequency (video)	NTSC, PAL and SECAM standard
Cursor Measurement	ΔV, and ΔT between cursors

Automatic Measurement		Vpp, Vavg, RMS, Frequency, Period, Vmax, Vmin, Vtop, Vbase, Width, Overshoot, Pre-shoot, Rise time, Fall time, +Width, -Width, +Duty, -Duty, Delay A→B, Delay A→B, area, cycle area
Waveform Math		+, -, x, ÷, invert, FFT
Waveform Storage		16 waveforms
Lissajous	Bandwidth	Full bandwidth
Figure	PhaseDifference	±3 degrees
Communication Interface		USB host, USB device
Frequency Counter		available
Power Supply		100V - 240V AC, 50/60Hz, CAT II
Power Consumption		< 15W
Fuse		2A, T class, 250V
Dimension (W x H x D)		301 x 152 x 70 mm
Device Weight		1.10 kg

Specifications subject to change without prior notice.

+ Application

electronic circuit debugging
education and training

circuit testing design and manufacture
automobile maintenance and testing

+ Accessories

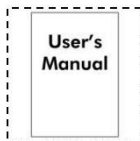
The accessories subject to final delivery.



Power Cord



CD Rom



Manual



USB Cable



Probe



Probe Adjust

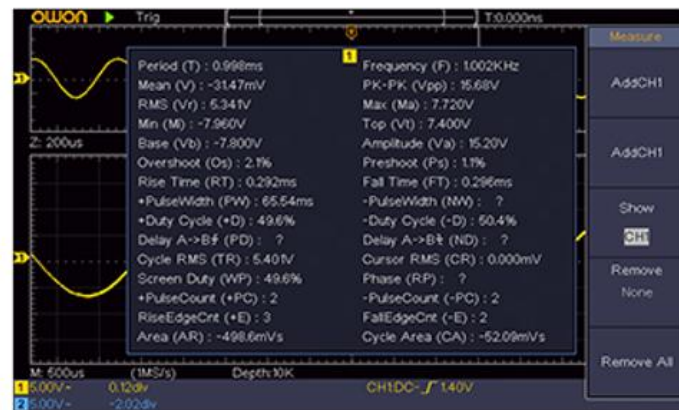


Soft Bag (optional)

Fungsi snapshot Snapshot function

30 jenis fungsi pengukuran otomatis, yang dapat ditampilkan dengan satu tombol

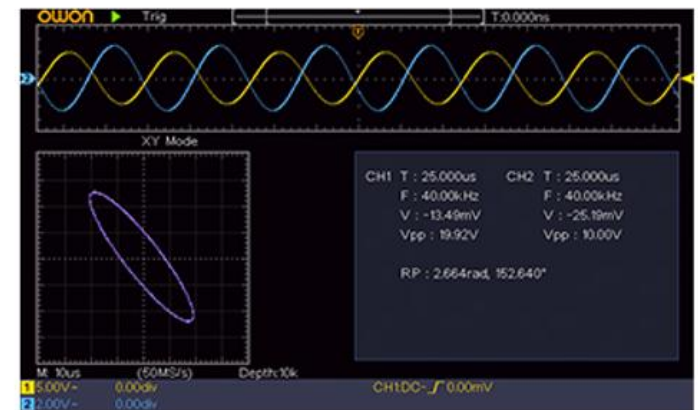
30 kinds of automatic measurement functions, which can be displayed by one key



interaksi manusia-komputer ramah Friendly human-computer interaction

Operasi menu tingkat pertama yang manusiawi, membuat semua menu dapat dioperasikan, Tampilan panorama nyaman untuk pengoperasian cepat.

Humanized first-level menu operation, making all operable menus, The panoramic view is convenient for quick operation.



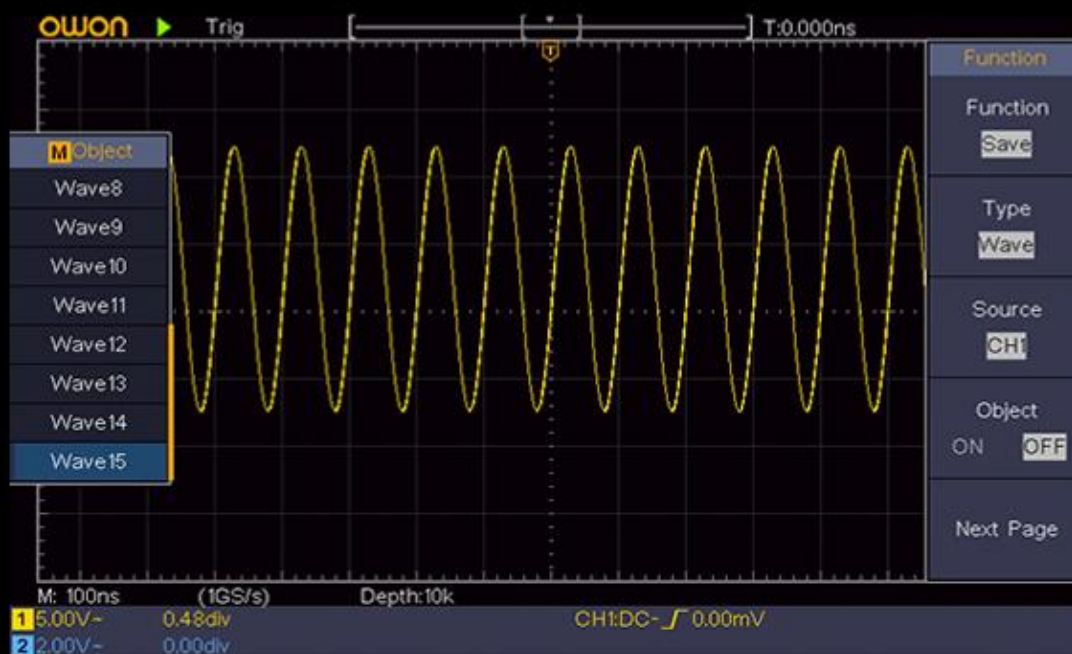
Fungsi penyimpanan bentuk gelombang, simpan bentuk gelombang penting tepat waktu, nyaman untuk diingat setiap hari

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16 set bentuk gelombang dapat disimpan, yang dapat dipilih di badan pesawat atau disk U. Catatan: **Kuning** adalah bentuk gelombang yang diukur saat ini, dan **biru** adalah bentuk gelombang yang disimpan

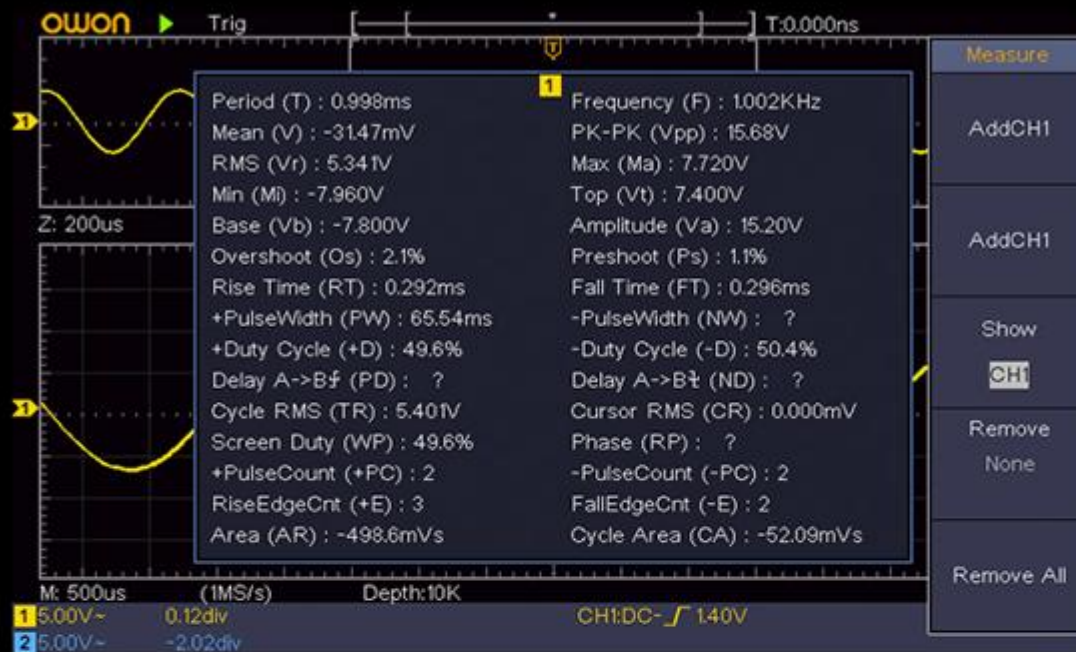
16 sets of waveforms can be stored, which can be selected on the fuselage or U disk.

Note: **Yellow** is the currently measured waveform, and **blue** is the saved waveform



Pengaturan otomatis bentuk gelombang, fungsi pengukuran otomatis.

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Fungsi perhitungan matematis

Mathematical calculation function

Berisi +-X ÷ FFT fase terbalik, mudah untuk menangani masalah pengujian

Contains +-X ÷ FFT reverse phase, easy to deal with test problems

