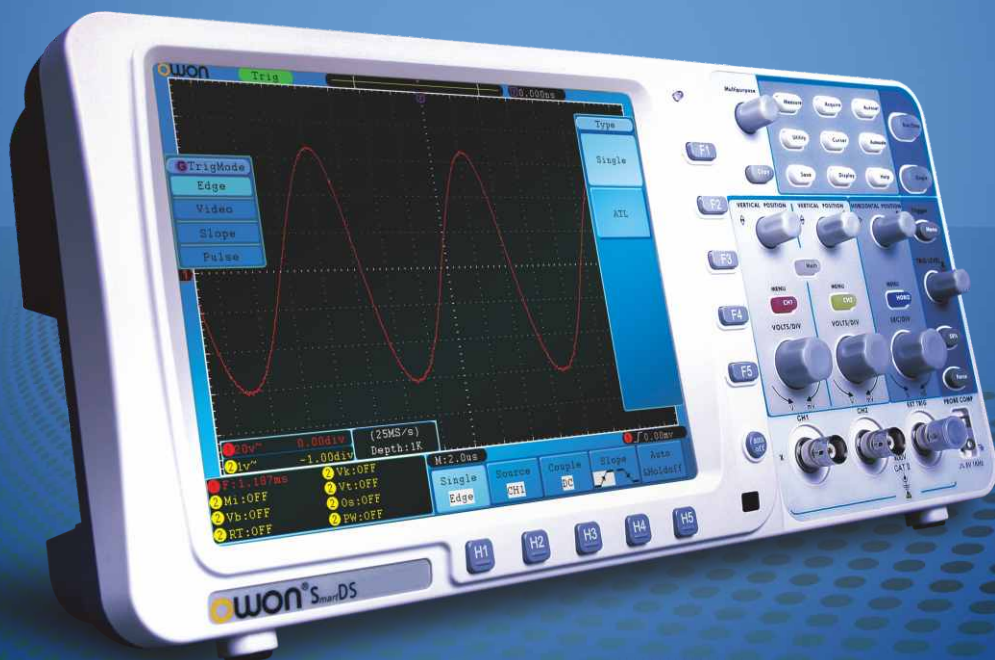


SmartDS

Deep Memory Digital Storage Oscilloscope



LILLIPUT®

Fujian Lilliput Optoelectronics Technology CO.,LTD



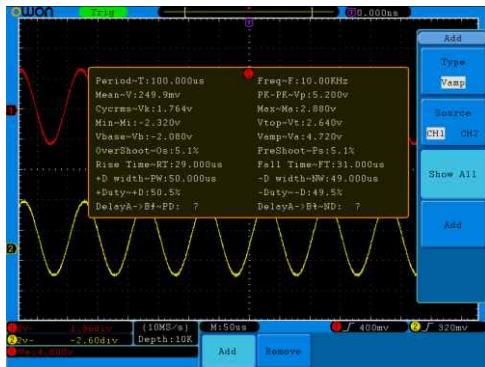
Features and Benefits

The screenshot shows a digital oscilloscope interface. At the top, there is a status bar with a 'Run' button (red) and a 'Stop' button (green). To the right of these buttons, the time scale is set to 10.00ns. The main display area shows two waveforms: a red sine wave on the top trace and a yellow square wave on the bottom trace. The bottom control panel includes a time scale of 10MS/s, a vertical scale of 2.00div, and a depth of 10K. There are also buttons for 'Wave' and 'Mode'.

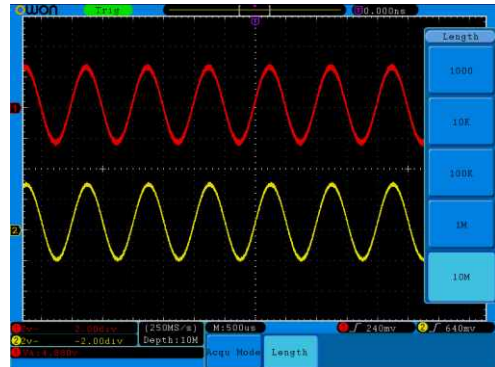
The screenshot displays the Oscilloscope application interface. The main display area shows two waveforms: a red sine wave and a yellow sine wave. The red waveform is labeled 'Language' and the yellow waveform is labeled 'Depth'. The interface includes a top status bar with 'Wuon' and '40.000ns'. A left sidebar contains a language selection menu with options: 中文, English, Deutsch, Svenska, and Français. The bottom status bar shows settings: 2.00div, Depth: 10R, Wi50ns, 2.00ms, and 5.40ms. A bottom menu bar contains buttons: Function, Language, Get Time, KeyLock, and About.

Feature and Benefits

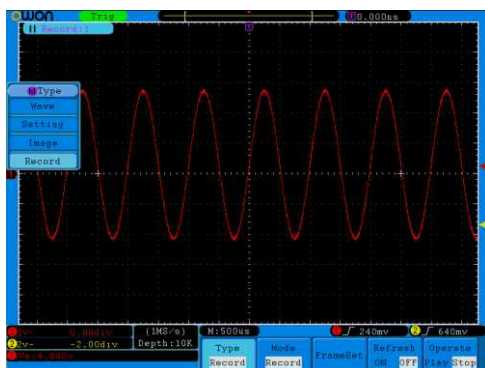
☐ Show All Function



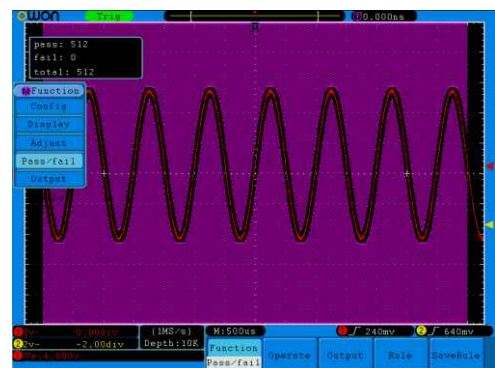
☐ 10M record length for each channel



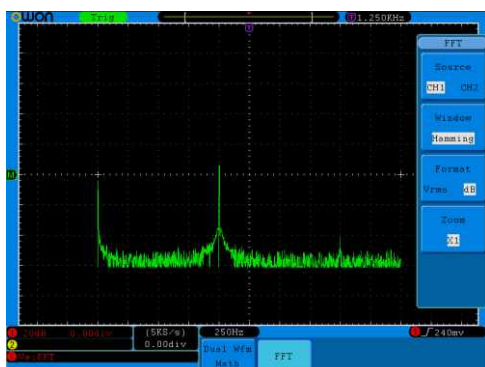
☐ Waveform record & replay function



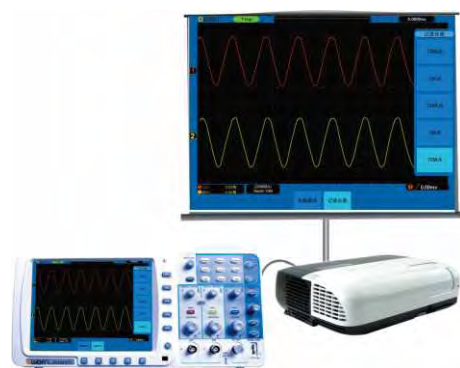
☐ Pass/Fail function



☐ FFT Function



☐ VGA Function



SmartDS Series

Deep Memory Digital Storage Oscilloscope



NEW!

10M
Deep Memory

Main Features:

1. 60MHz ~ 300MHz with 2 Channels;
2. 500MS/s ~ 3.2GS/s sample rate;
3. 10M record length for each channel;
4. Large 8-inch 800x600 pixels display;
5. Autoscale function ;
6. Pass/Fail function;
7. Smart design with easy workplace;
8. Battery (Optional);
9. Multiple interface : USB;VGA; LAN

Dimension: 340mm(L)X155mm(H)X70mm(W)

Weight: 1.8kg (without battery)



Performance characteristics

Model	SDS6062	SDS7102	SDS8102	SDS8202	SDS8302	SDS9302
Bandwidth	60MHz	100MHz	100MHz	200MHz	300MHz	300MHz
Sample rate(Real time)	500MS/s	1GS/s	2GS/s		2.5GS/s	3.2GS/s
Horizontal Scale(S/div)	5ns/div~100s/div, step by 1~2~5	2ns/div~100s/div, step by 1~2~5		1ns/div~100s/div, step by 1~2~5		
Rise time (at input, typical)	≤ 5.8ns	≤ 3.5ns		≤ 1.7ns		
Channels	2 + 1 (External)					
Display	8" color LCD, TFT display , 800x600 pixels, 65535 colors					
Input impedance	1MΩ±2% in parallel with 15pF±5pF					
channels Isolation	50Hz: 100 : 1, 10MHz: 40 : 1					
Max. input voltage	400V (PK-PK) (DC + AC PK-PK)					
DC gain accuracy	±3%					
DC accuracy(Average)	Average≥16:±(3% reading+0.05div) for ΔV					
Probe attenuation factor	1X, 10X, 100X, 1000X					
LF respond(AC, -3dB)	≥ 5Hz(at input, AC coupling, -3dB)					
Record length	Max.10M points for each channel					
Sampling rate/relay time accuracy	±100ppm					
Interpolation	(sin x)/x					

SmartDS Deep Memory Oscilloscope

Performance characteristics

Model		SDS6062	SDS7102	SDS8102	SDS8202	SDS8302	SDS9302
Bandwidth		60MHz	100MHz	100MHz	200MHz	300MHz	300MHz
Interval(Δ T) accuracy(full bandwidth)		Single: $\pm(1 \text{ interval time}+100\text{ppm} \times \text{reading}+0.6\text{ns})$ Average >16 : $\pm(1 \text{ interval time}+100\text{ppm} \times \text{reading}+0.4\text{ns})$					
Input coupling		DC, AC , GND					
Vertical resolution (A/D)		8 bits resolution (2 Channels simultaneously)					
Vertical sensitivity		2mV/div $\sim$ 10V/div(at input)					
Trigger type		Edge, Pulse, Video, Slope, Alternate					
Trigger mode		Auto, Normal, Single					
Trigger level		± 6 divisions from screen center					
Acquisition modes		Sample, Peak Detect and Average					
Line/field frequency(Video)		Support standard NTSCa PAL and SECAM broadcast systems					
Cursor measurement		Δ V and Δ T 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 $\rightarrow$ B $\overline{f}$,Delay A $\rightarrow$ B $\overline{f}$					
Waveform Math		+ , - , $\times$, $\div$,FFT					
Waveform storage		15 waveforms					
Lissajou's figure	Bandwidth	Full bandwidth					
	Phase difference	± 3 degrees					
Communication interface		USB, Support USB Flash Disk Storage, Pass/Fail	USB2.0 or RS-232, USB flash disk storage, LAN, Pass/Fail				
Cymometer		Available					
Power supply		100V-240V AC, 50/60Hz, CAT II					
Power consumption		<18W					
Fuse		2A, T class, 250V					

OWON continues to improve products and reserves the rights to change specifications without advance notice. For latest ones, please refer to our website

Application

Electronic circuit debugging
Education and training

Circuit testing
Automobile maintenance and testing

Design and manufacture

Accessories

The receipt of accessories should be taken as final.



Probe



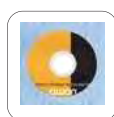
Power cord



Probe adjust



USB



CD-Rom



Battery(optional)

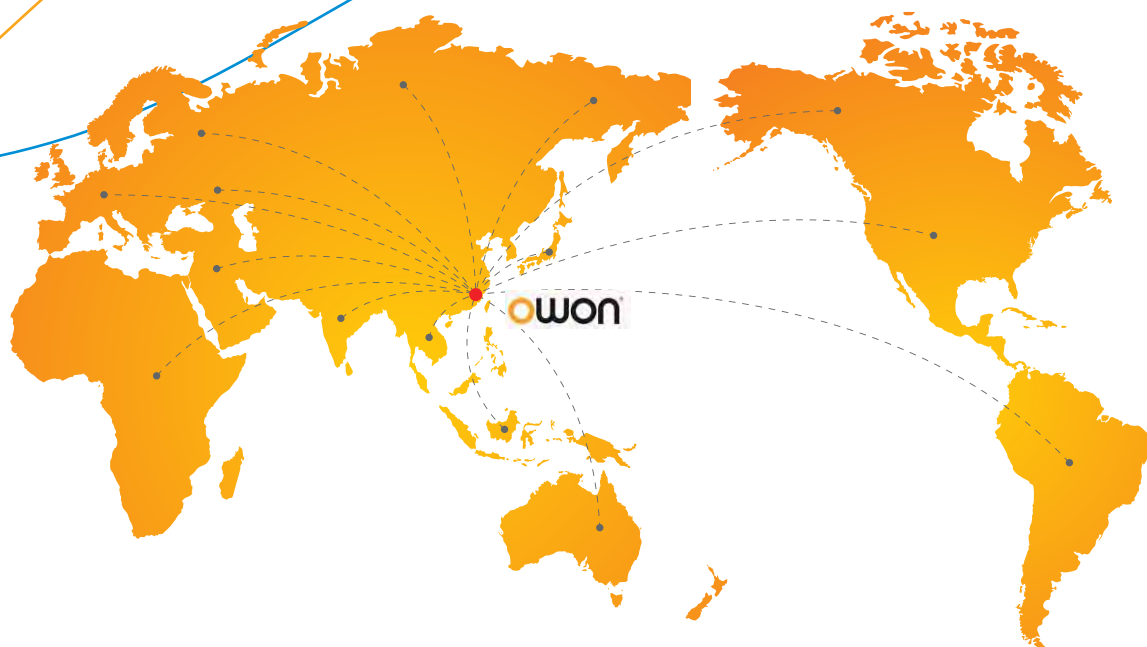


Manual



Soft bag(optional)

 **Meet your best need**



LILLIPUT®

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