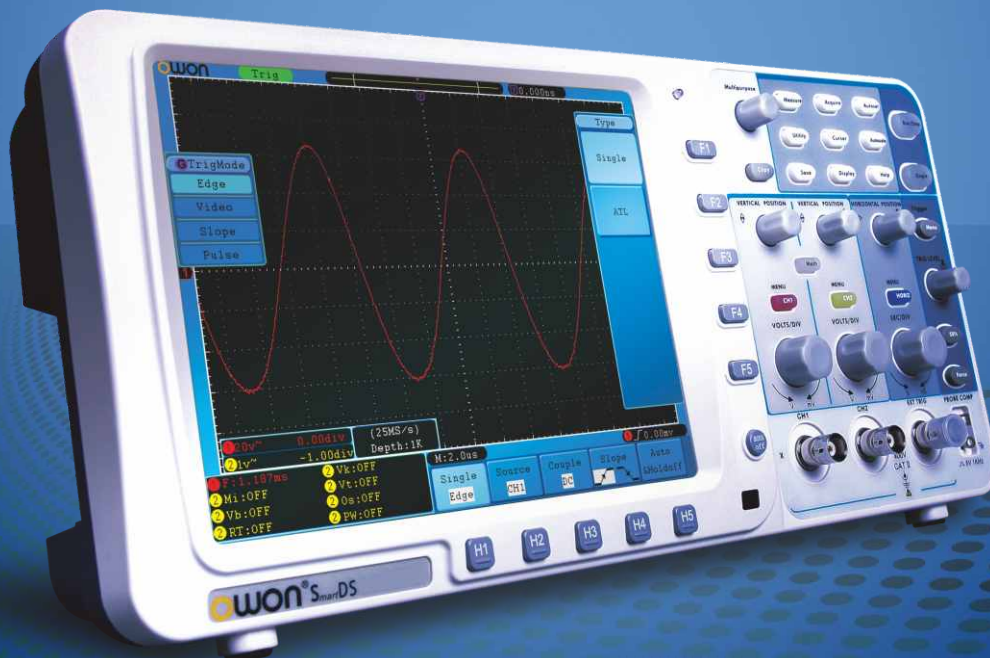


## SmartDS

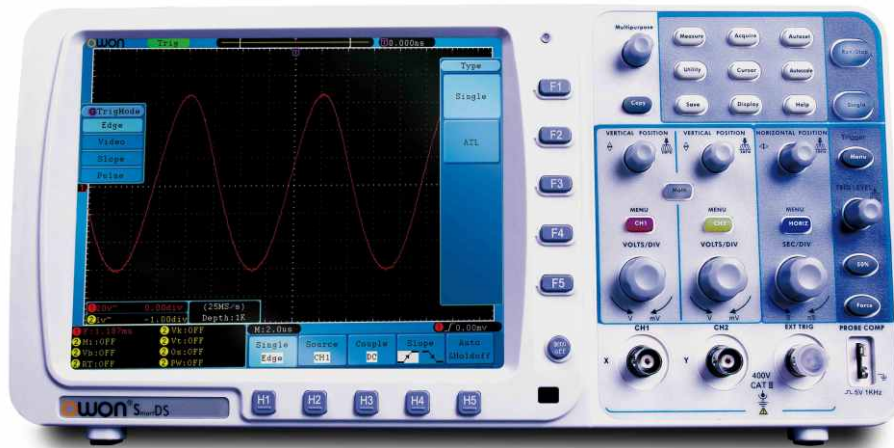
Deep Memory Digital Storage Oscilloscope



LILLIPUT®

Fujian Lilliput Optoelectronics Technology CO.,LTD

## Smart DS Series



ultra-thin body

mains switch

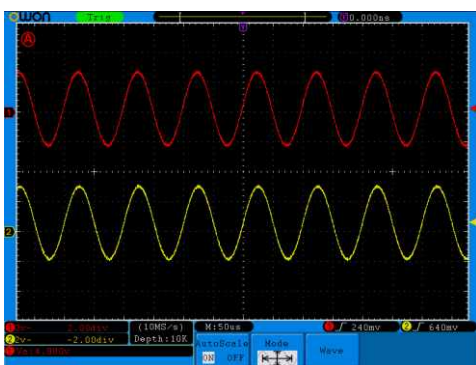


USB/COM  
LAN/SVGA

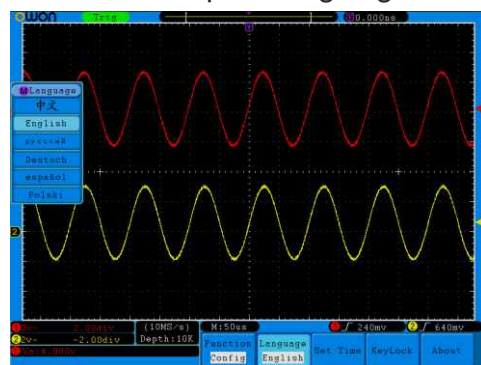


## Features and Benefits

Autoscale function

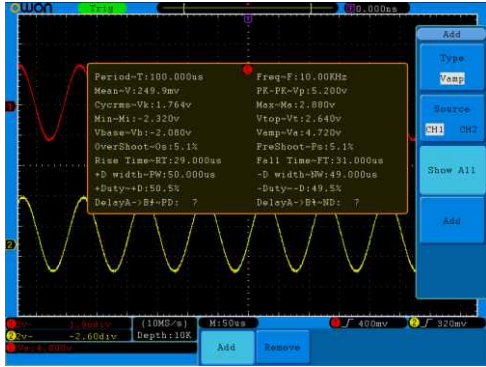


Multiple Languages

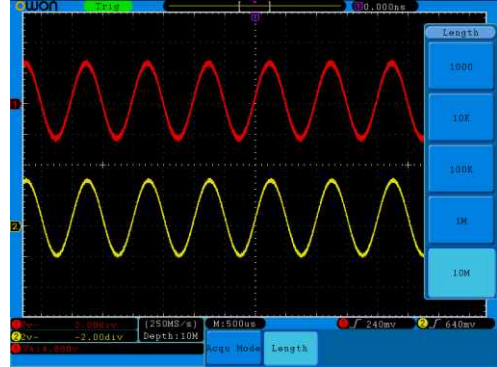


# Feature and Benefits

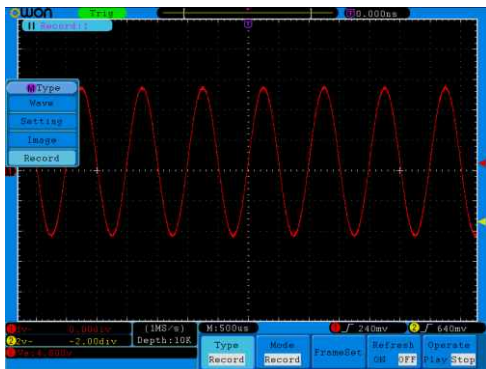
□ Show All Function



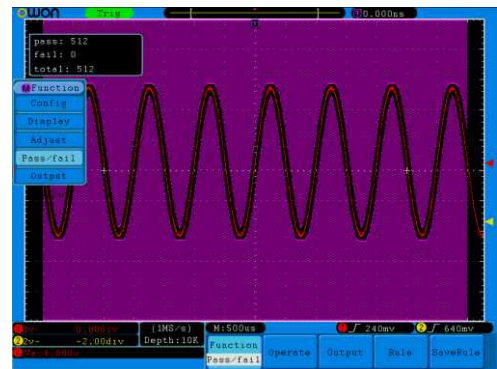
□ 10M record length for each channel



□ Waveform record & replay function



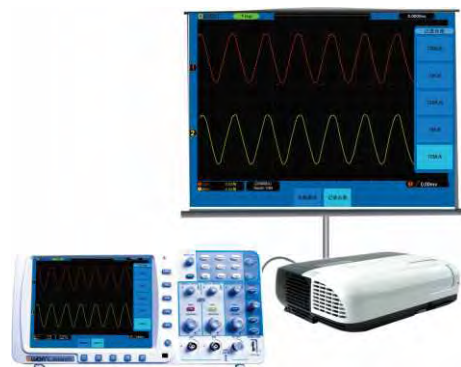
□ Pass/Fail function



□ 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( $\Delta T$ ) 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 ~ 10V/div(at input)					
Trigger type	Edge, Pulse, Video, Slope, Alternate					
Trigger mode	Auto, Normal, Single					
Trigger level	$\pm 6$ 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	$\Delta V$ and $\Delta T$ 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, Delay A $\rightarrow$ B					
Waveform Math	+, -, $\times$ , $\div$ , FFT					
Waveform storage	15 waveforms					
Lissajou's figure	Bandwidth	Full bandwidth				
	Phase difference	$\pm 3$ 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

Design and manufacture

Automobile maintenance and testing

## Accessories

The receipt of accessories should be taken as final.



Probe



Power cord



Probe adjust



USB



CD-Rom



Battery(optional)

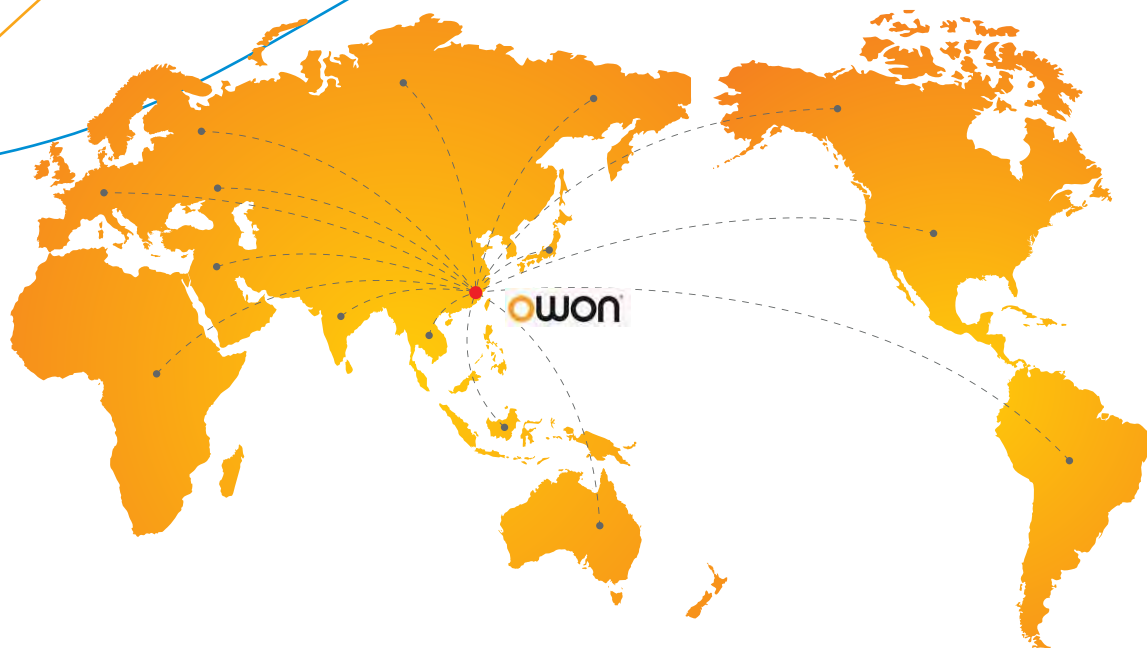


Manual



Soft bag(optional)

 **Meet your best need**



**LILLIPUT®**

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Please contact local distributor for further information