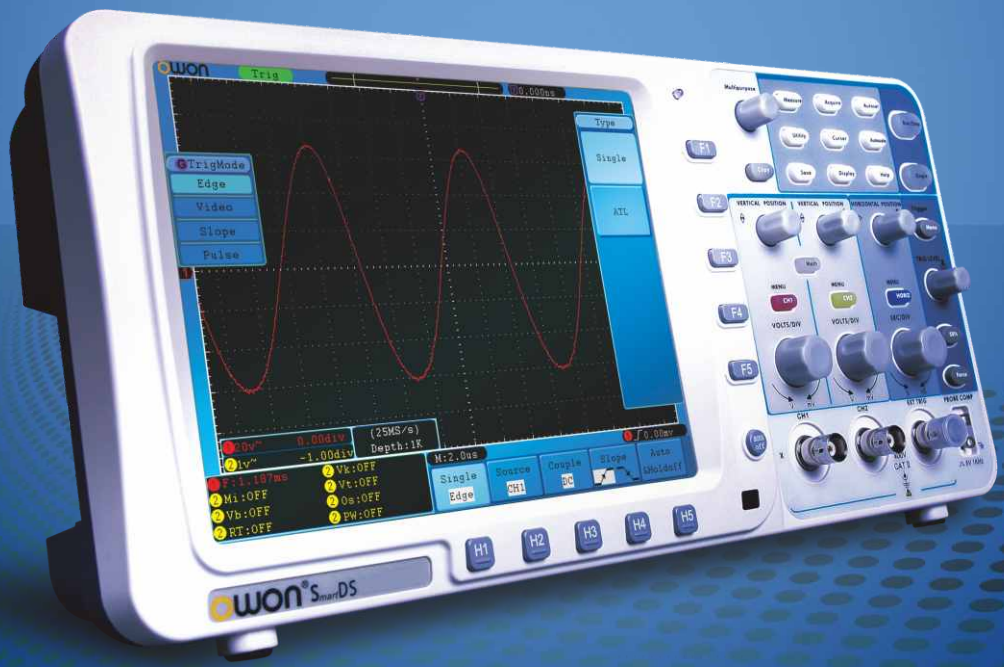
owon

Meet your best need

SmartDS

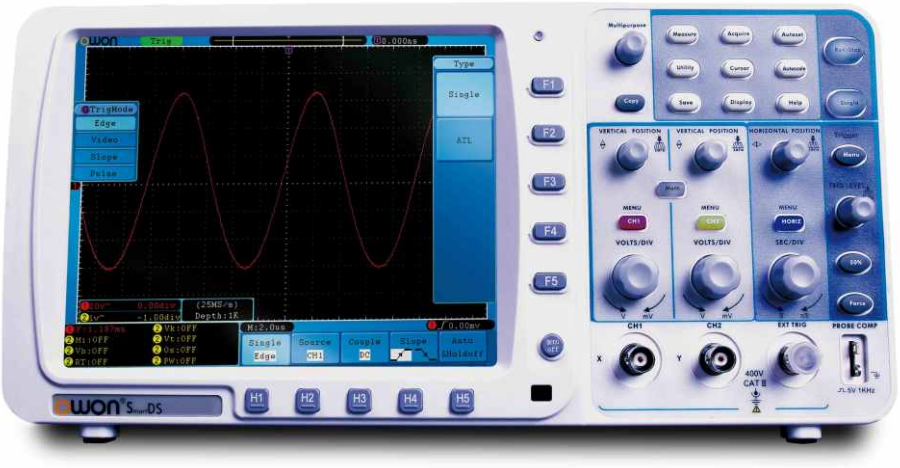
Deep Memory Digital Storage Oscilloscope



LILLIPUT®

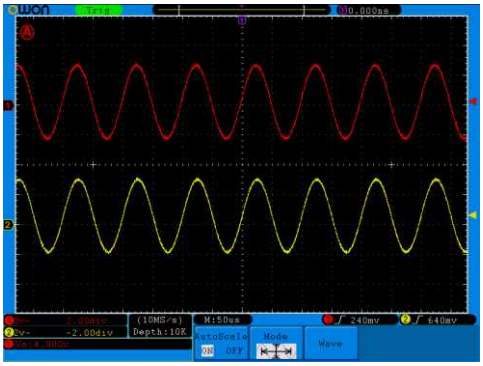
Fujian Lilliput Optoelectronics Technology CO.,LTD

Smart DS Series

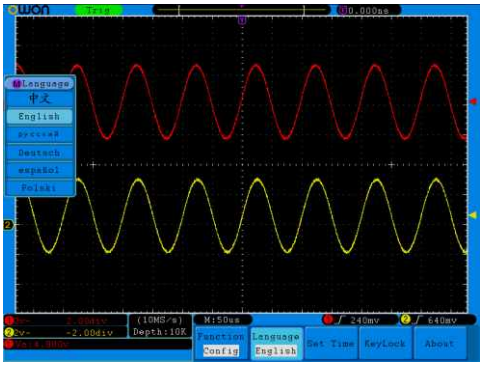


Features and Benefits

☐ Autoscale function

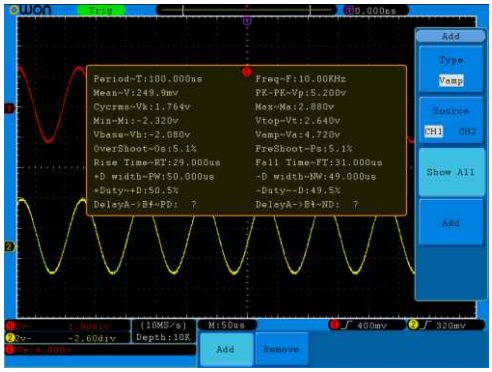


☐ Multiple Languages

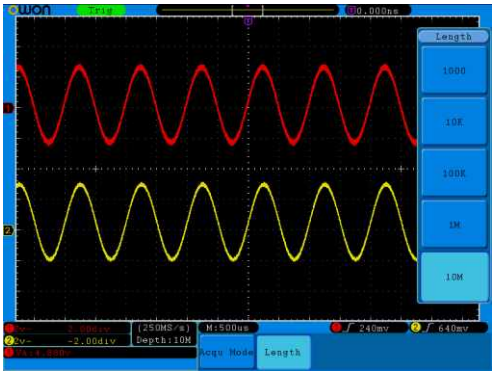


Feature and Benefits

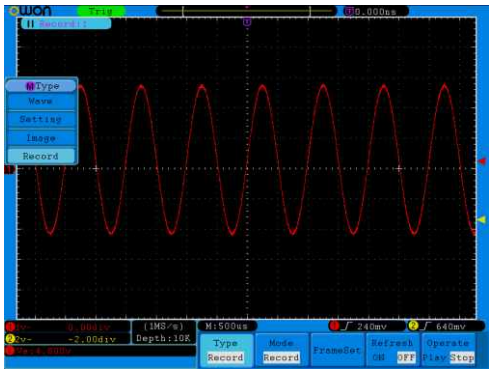
☐ Show All Function



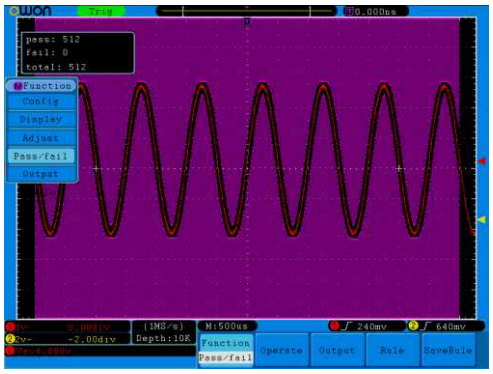
☐ 10M record length for each channel



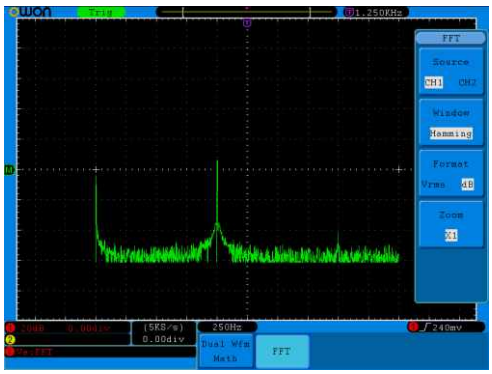
☐ Waveform record & replay function



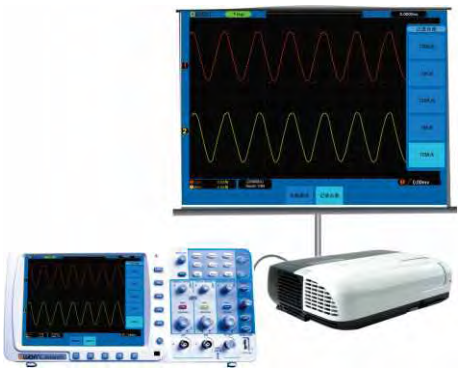
☐ Pass/Fail function



☐ 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 △V					
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					

Performance characteristics

Model	SDS6062	SDS7102	SDS8102	SDS8202	SDS8302	SDS9302
Bandwidth	60MHz	100MHz	100MHz	200MHz	300MHz	300MHz
Interval(△T) accuracy(full bandwidth)	Single: ±(1 interval time+100ppm ×reading+0.6ns) Average>16:±(1 interval time+100ppm ×reading+0.4ns)					
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	±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	△V and △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→B⌜,Delay A→B⌝					
Waveform Math	+ , - ,×,÷,FFT					
Waveform storage	15 waveforms					
Lissajou's figure Bandwidth	Full bandwidth					
Lissajou's figure 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,pleaes refer to our website

Application

Electronic circuit debugging Circuit testing Design and manufacture
Education and training 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