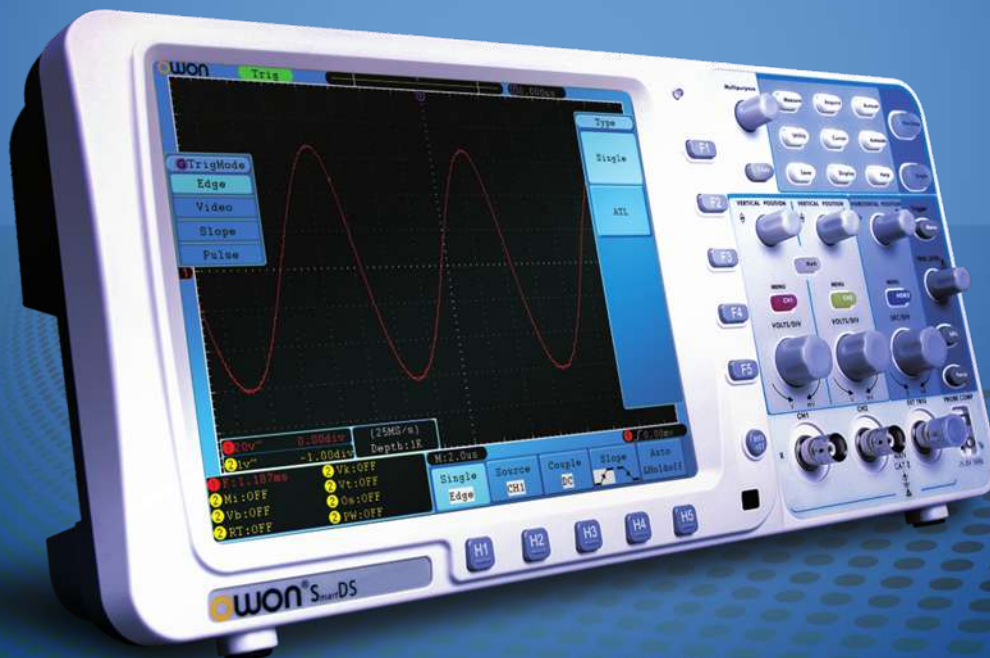


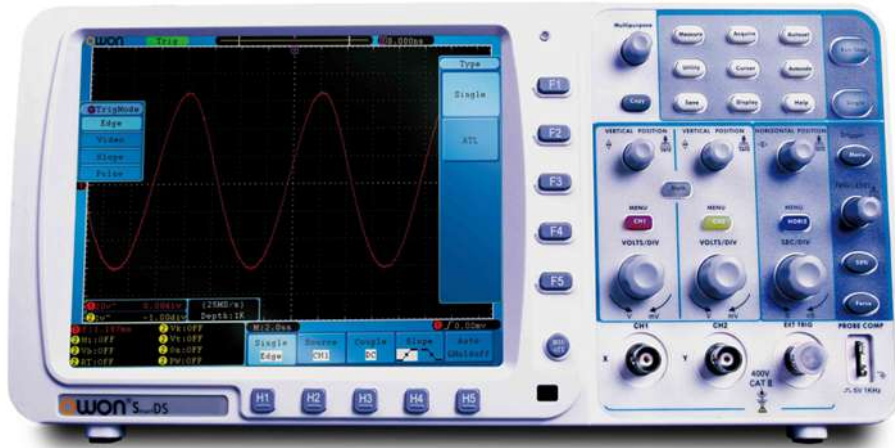
SmartDS

Deep Memory Digital Storage Oscilloscope



LILLIPUT®

Smart DS Series



ultra-thin body
safety-protection
switch

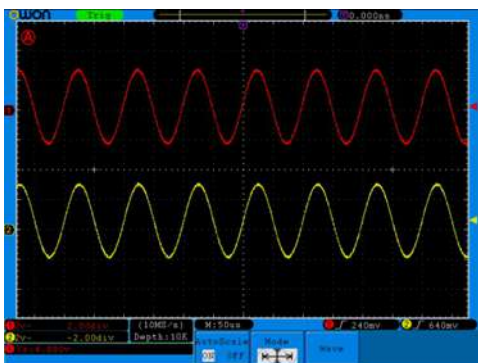


USB / COM /
LAN / SVGA port

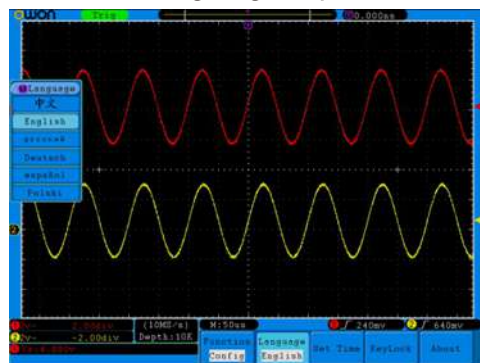


Functions and Features

Autoscale Function

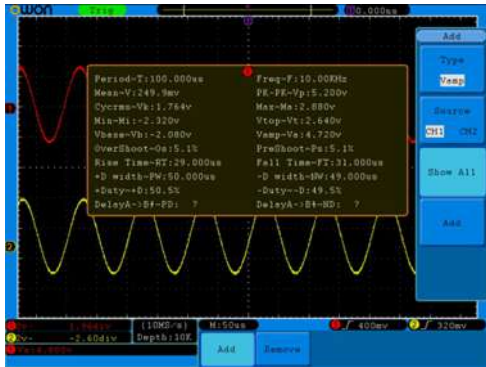


Multi-language Operation Menu

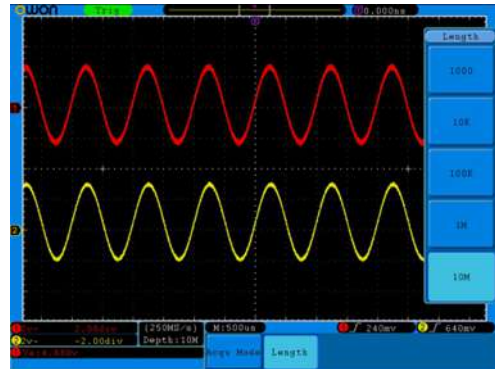


Functions and Features

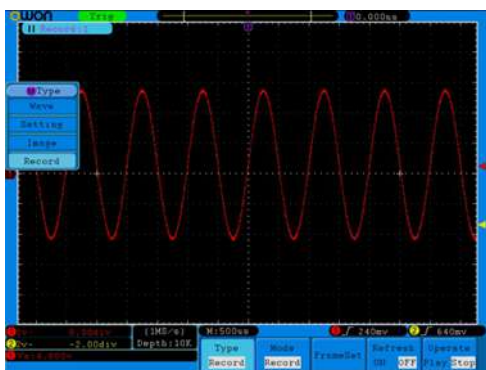
Show All Function



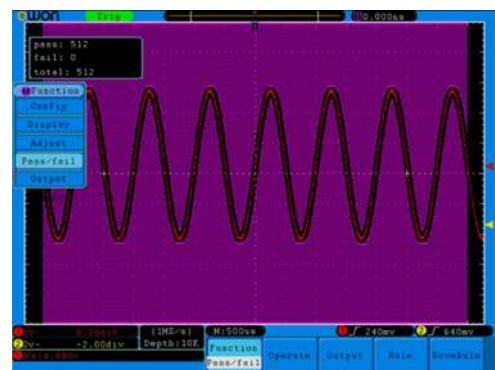
10M record length for each channel



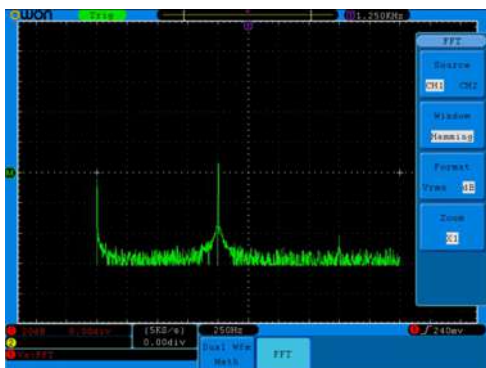
Waveform Record & Replay



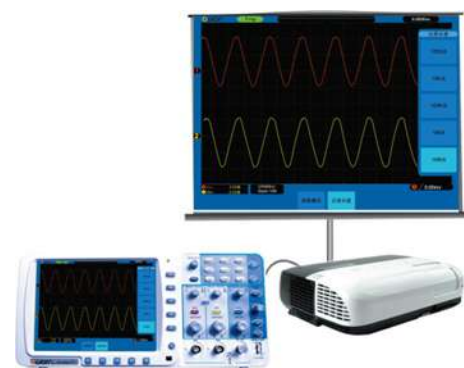
Pass / Fail

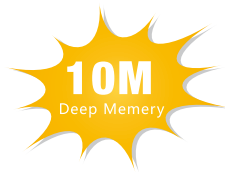


FFT Waveform Math



VGA Output





Smart DS Series

Deep Memory Digital Storage Oscilloscope



- ✓ Bandwidth : 60MHz ~ 300MHz with dual channels
- ✓ Sample rate : 500MS/s ~ 3.2GS/s
- ✓ 10M record length for each channel
- ✓ Multi-function : auto-scale, Pass / Fail, and current-measuring
- ✓ LAN remote control
- ✓ Smart design with easy workplace
- ✓ Large 8 inch 800 x 600 pixels display
- ✓ Optional battery available



+ Performance Specifications

Model	SDS6062	SDS7072	SDS7102	SDS8102	SDS8202	SDS8302	SDS9302
Bandwidth	60MHz	70MHz	100MHz	200MHz	300MHz		
Sample Rate	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	≤5.8ns	≤5ns	≤3.5ns	≤1.7ns		≤1.17ns	
Display	8" color LCD, 800 x 600 pixels, 65535 colors						
Channel	2 + 1 (external)						
Record Length	max 10M						
Input Coupling	DC, AC, and GND						
Input Impedance	1MΩ ± 2%, in parallel with 10pF ± 5pF						
Channel Isolation	50MHz : 100 : 1, 10MHz : 40 : 1						
Max Input Voltage	400V (PK - PK) (DC + AC, PK - PK)						
DC Gain Accuracy	±3%						
DC Accuracy	average ≥ 16 : ±(3% reading + 0.05 div) for ΔV						
Probe Attenuation Factor	1X, 10X, 100X, 1000X						
LF Respond (AC, -3dB)	≥5Hz (at input, AC coupling, -3dB)						
Sampling Rate / Relay Time Accuracy	±100ppm						
Interpolation	sin (x) / x						
Interval (ΔT) Accuracy (full bandwidth)	Single : ±(1 interval time + 100ppm × reading + 0.6ns); Average > 16 : ±(1 interval time + 100ppm × reading + 0.4ns)						
Vertical Resolution (A/D)	8 bits resolution (2 channels simultaneously)						
Vertical Sensitivity	2mV/div ~ 10V/div						

HOT!

Model	SDS6062	SDS7072	SDS7102	SDS8102	SDS8202	SDS8302	SDS9302
Trigger Type	Edge, Pulse, Video, Slope, Alternate						
Trigger Mode	Auto, Normal, Single						
Trigger Level	± 6 divisions from screen center						
Acquisition Mode	Sample, Peak Detect, and Average						
Line / Field Frequency (video)	NTSC, PAL and SECAM standard						
Cursor Measurement	ΔV , and ΔT between cursors						
Automatic Measurement	Vpp, Vmax, Vmin, Vtop, Vbase, Vamp, Vavg, Vrms, Overshoot, Preshoot, Frequency, Period, Rise Time, Fall Time, Delay A \rightarrow B \downarrow , Delay A \rightarrow B \uparrow , +Width, -Width, +Duty, -Duty						
Waveform Math	+, -, \times , \div , FFT						
Waveform Storage	15 waveforms						
Lissajous Figure	Bandwidth	full bandwidth					
	Phase Difference	± 3 degrees					
Communication Interface	USB, USB flash disk storage, Pass / Fail, LAN, VGA (optional) or COM (optional)						
Cymometer	available						
Power Supply	100V - 240V AC, 50/60Hz, CAT II						
Power Consumption	< 24W						
Fuse	2A, T class, 250V						
Battery (optional)	7.4V, 8000mA						
Dimension (W \times H \times D)	340 \times 155 \times 70 (mm)						
Weight (without package)	1.80 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

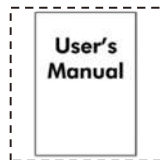
The accessories subject to final delivery.



Power Cord



CD Rom



Manual



USB



Probe



Probe Adjust

Battery
(optional)Soft Bag
(optional)