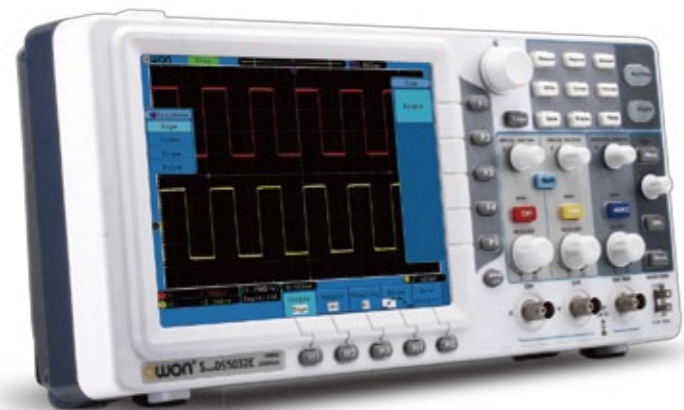


SmartDS 5032E More Wide View



Main Features:

1. Bandwidth:30MHz;
2. Sample rate:250MS/s;
3. Ultra-thin body;
4. 8 inch high definition TFT display;
5. Pass/Fail function;
6. Add/remove measure function,user-defined measure menu.



Dimension: 348mm(L)×170mm(H)×78mm(W)
Weight: 1.5kg



Performance characteristics

Model	SDS5032E
Bandwidth	30MHz
Sample rate(Real time)	250MS/s
Horizontal Scale(S/div)	4ns/div~100s/div ,step by 1~2~4
Rise time (at input, typical)	≤14ns
Channels	2 + 1 (External)
Display	8" color LCD, TFT display , 800×600 pixels, 65535 colors
Input imedance	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%
Record length	Max.10K points on each channel
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)
Sample rate/relay time accuracy	±100ppm
Interpolation	(sinx) / x

Performance characteristics

Model	SDS5032E	
Interval(ΔT) 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	5mV/div~5V/div(at input)	
Trigger type	Edge,Pulse,Video,Slope	
Trigger mode	Auto, Normal, Single	
Trigger level	±6 divisions from screen center	
Line/field frequency(Video)	Support standard NTSC、PAL and SECAM broadcast systems	
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	
Waveform Math	+, -, ×, ÷, FFT	
Waveform storage	15 waveforms	
Lissajou's figure	Bandwidth	Full bandwidth
	Phase difference	±3 degrees
Communication interface	USB, USB flash disk storage, Pass/Fail, LAN VGA (optional)	
Cymometer	Available	
Power supply	100V-240V AC,50/60Hz,CAT II	
Power consumption	<18W	
Fuse	2A,T class,250V	
Battery	Not support	

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 Circuit testing Design and manufacture
Education and training Automobile maintenance and testing

Accessories

The receipt of accessories should be taken as final.

