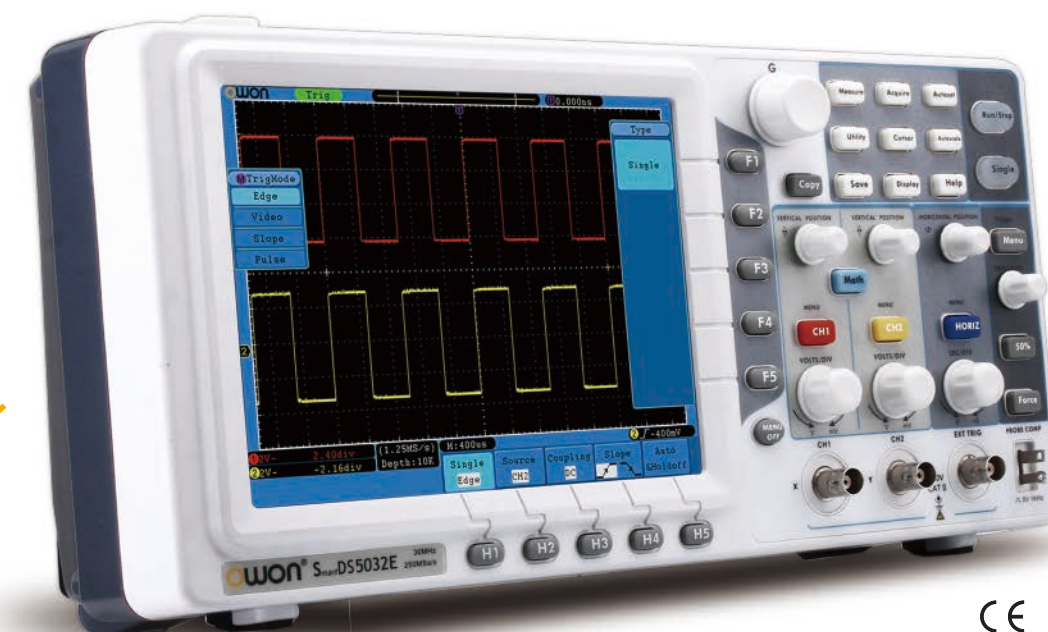# owon®
Meet your best need

LILLIPUT®

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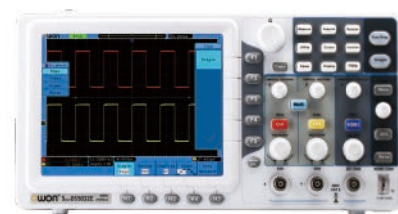
Please contact local distributor for further information.
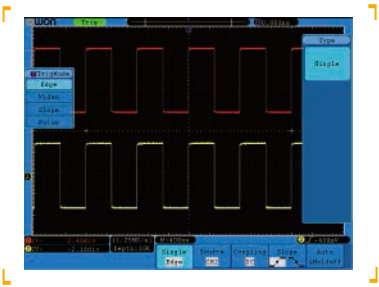
SDS5032E

2nd Generation of PDS5022

New! upgrade

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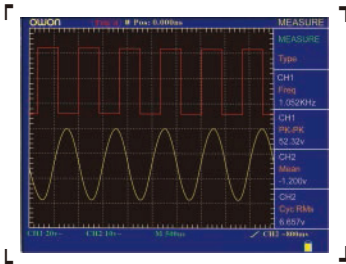6. Add/remove measure function, user-defined measure menu.

SDS 5032E PDS Series

Enjoy More Wide View

8.0 inch TFT LCD with high resolution 800*600.
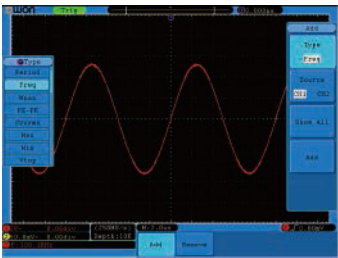Enlarge to 15x10 divisions for more data.

7.8 inch TFT 10x8 divisions Display
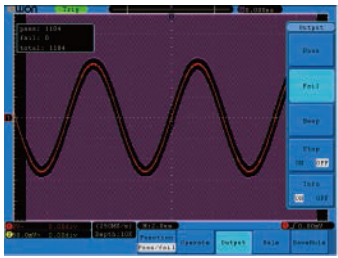
With Better Performance

1 Bandwidth: 30MHz；Sample rate: 250MS/s(single), 125MS/s(double)
2 10K Record Length
3 Trigger type: Edge/Video/Pulse/Slope
4 Waveform storage: 15 waveforms
5 with Waveform Record & Replay

1 Bandwidth: 25MHz; Sample rate: 100MS/s
2 6K Record Length
3 Trigger type: Edge/Video
4 Waveform storage: 4 waveforms
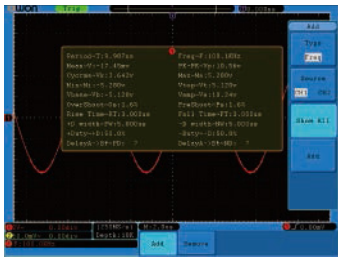5 Waveform Record & Replay: none

SDS5032E With More Convenience and High Efficiency

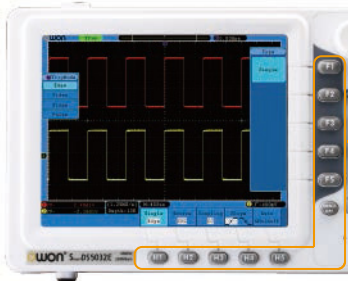Add/remove measure types as you'd like,
make your job easier

Pass/Fail function, build signature
template for the test projects on a
production line, improve productivity.

One-button to show all the measures,
make the test easier and faster

User-friendly operation of 2D menus,
you can see all the operable menus in combination

Rich interface design
USB2.0 (DEVICE)
USB1.1 (HOST)
RS232 (optional)
VGA (optional)
PASS/FAIL (TRIG OUT)
LAN
to meet your various needs

■ 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 △V
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
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 (2Channels simultaneously)
Vertical sensitivity	5mV/div～5V/div (at input)
Trigger type	Edge, Pulse , Video, S lope
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	△V and △T between cursors
Automatic measurement	Vpp, 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.

Probe

Power cord

Probe adjust

USB

CD-Rom

Manual

Soft bag(optional)