

PDS Series

Portable Digital Storage Oscilloscope

owon[®]
+ Meet your best need

1. Autoscale
2. FFT
3. 20MHz-60MHz bandwidth
4. Up to 250MS/s real time sample rate
5. Max. record length of 6000 points for each channel
6. 7.8 or 8.0 inch LCD color display for large view
7. Support USB for data transmission to PC
8. 20 Automatic Measurements
9. Advanced trigger function: Edge trigger 、 Video trigger and Alternate trigger.

Application:

Electronic circuit debugging

Circuit testing

Design and manufacture

Education and training

Automobile maintenance and testing

FC CE MC

Accessories

The receipt of accessories should be taken as final



Probe



Power cord



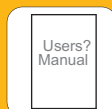
Probe adjust



USB



CD-Rom



Manual



bag(optional)



Battery(optional)

Package



Weight: 3.1kg

Color box dimension:

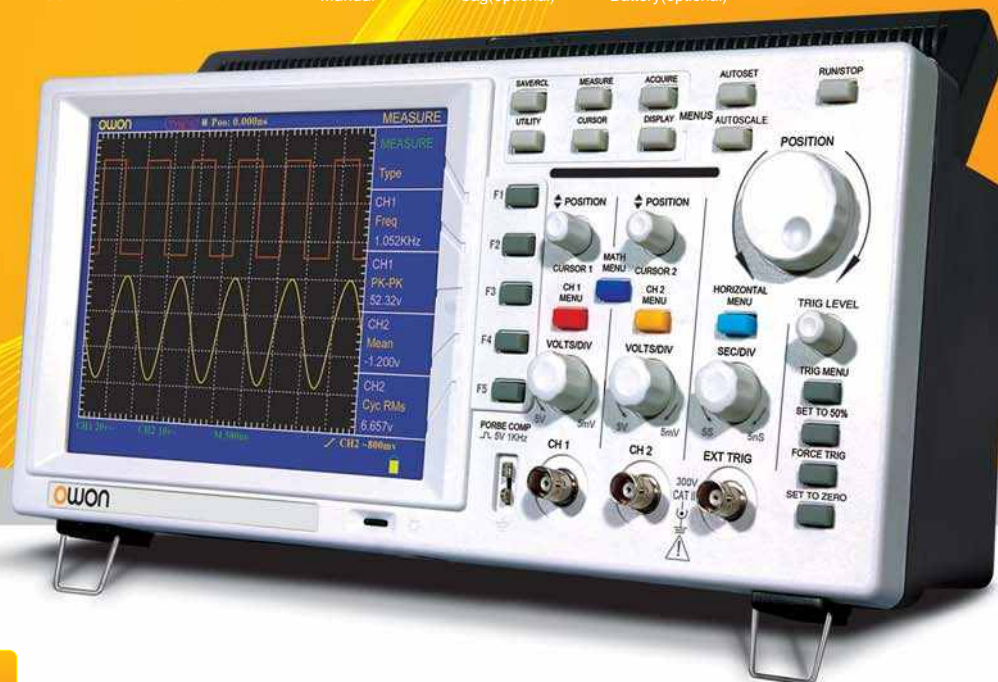
40cm(L)x23.5cm(H)x17cm(W)

1Pcs in carton: 42cm(L)x29cm(H)x19.5cm(W) 3.1kg

2Pcs in carton: 42cm(L)x37cm(H)x28cm(W) 6.2kg

3Pcs in carton: 54cm(L)x42cm(H)x28cm(W) 9kg

4Pcs in carton: 71cm(L)x43cm(H)x28cm(W) 11.93kg



Performance characteristics

Model	PDS5022T	PDS6062S
Bandwidth	25MHz	60MHz
Sample rate(real time)	100MS/s	250MS/s
Display	8 inch color LCD, TFT screen, 640x480 pixels	7.8 inch color LCD, STN screen, 640x480 pixels
Dimension	350mm(L)x157mm(H)x103mm(W)	
Weight	1.75Kg	

OWON continues to improve products and reserves the rights to change specifications without advance notice. For latest ones, please refer to our website.

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Performance characteristics

Model	PDS5022T		PDS6062S
Bandwidth	25MHz		60MHz
Sample rate(Real time)	100MS/s		250MS/s
Horizontal Scale(S/div)	5ns/div~100s/div,step by 1~2.5~5		
Rise time (at input, typical)	≤ 14ns		≤ 5.8ns
Channels	Dual channels+external trigger		
Input impedance	1MΩ±2% , in parallel with 20pF±3pF		
Isolation between channels	50Hz(100:1), 10MHz(25:1)		
Max. input voltage	300V(DC + AC PK-PK, 1MΩ input impedance, Probe attenuation 10:1)		
DC gain accuracy	±5%		
DC accuracy(Average)	Average≥ 16:±(5% reading+0.05div) for ΔV		
Acquisition modes	Sample, Peak Detect and Average		
Probe attenuation factor	1X, 10X, 100X, 1000X		
LF respond(AC, -3dB)	≥ 5Hz(at input)		
Record length	5000 points on each channel	6000 points on each channel	
Sampling rate/relay time accuracy	±100ppm		
Interpolation	(sin x)/x		
Interval(Δ T) accuracy(full bandwidth)	Single: ±(1 interval time+100ppm ×reading+0.6ns) Average>16:±(1 interval time+100ppm ×reading+0.4ns)		
Displacement	±50V(500mV-5V), ±2V(5mV-200mV)		
Vertical resolution (A/D)	8 bit (2 channels simultaneously)		
Vertical sensitivity	5mV/div ~5V/div(at input)		
Trigger type	Edge, Video		
Trigger level	±6 divisions from screen center		
Trigger mode	Auto, Normal, Single		
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 $\int$, Delay A→B $\int$		
Waveform Math	+, −, FFT		
Waveform storage	4 waveforms		
Lissajou's figure	Bandwidth	25MHz	60MHz
	Phase difference	±3 degrees	
Communication interface	USB		
Power supply	100V-240V AC, 50Hz, CAT II		
Fuse	2A, T class, 250V		

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LILLIPUT®

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