

Portable Digital Storage Oscilloscope-PDS



Main Features:

1. Autoscale
2. 20 Automatic Measurements
3. 25MHz-100MHz bandwidth
4. Up to 500MS/s real time sample rate
5. Support USB for data transmission to PC
6. 7.5/8.0 inch LCD color display for large view
7. Max. record length of 6000 points for each channel
8. 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

Oscilloscope Specification					
Model		PDS5022S	PDS6062S	PDS6062T	PDS7102T
Bandwidth		25MHz	60MHz		100MHz
Sample Rate(Real time)		100MS/s	250MS/s		500MS/s
Rise time		≤14ns	≤5.8ns		≤3.5ns
Display		7.5 inch color LCD,STN screen, 640×480 pixels		8.0 inch color LCD,TFT screen, 640×480 pixels	
Channel		Dual channels + external trigger			
Sampling mode		Normal sample·Peak detect and Average			
Record length		5K points on each channel	6K points on each channel		
Horizontal scale (s/div)		5ns/div-100s/div step by 1-2.5-5	5ns/div-100s/div step by 1-2-5		
Vertical sensitivity		5mV ~5V/div (at BNC input)			
DC Gain Accuracy		±5%			±3%
Max. input voltage		300V(DC+AC PK-PK,1MΩ input impedance,Probe attenuation 10:1)			400V(DC+AC PK-PK)
Input coupling		DC、 AC			DC、 AC、 GND
Vertical resolution (A/D)		8 bits (2CH simultaneously)			
Sampling rate / relay time accuracy		±100ppm			
Interval(ΔT)accuracy (DC~100MHz)		Single:±(1 interval time+100ppm×reading+0.6ns) Average>16:±(1 interval time+100ppm×reading+0.4ns)			
Waveform storage		4 waveforms			
Cursor measurement		ΔV and ΔT between cursors			
Line/field frequency (Video)		Support NTSC, PAL and SECAM			
Acquisition modes		Sample, Peak Detect and Average			
Interpolation		(sin x)/x			
Displacement		±50V(500mV-5V), ±2V(5mV-200mV)			
Trigger type		Edge, Video			Edge, Video, Alternate
Trigger mode		Auto, Normal, Single			
Trigger level		±6 divisions from screen center			
Automatic measurement		Vpp,Vavg,RMS,Frequency,Period,Vmax,Vmin,Vtop,Vbase,Width,Overshoot ,Preshoot,Risetime,Falltime,+Width,-Width,+Duty,-Duty, Delay A→B  、 Delay A→B 			
Waveform math		+, -, FFT			
Lissajou's figure	Bandwidth	25MHz	60MHz	60MHz	100MHz
	Phase difference	±3 degrees			
Interface		USB Data Cable (Transfer waveform data to a PC)			
Power supply		100V-240V AC, 50Hz/60Hz, CAT II			
Power consumption		≤15W			
Fuse		1A, T grade, 250V			