



### Main Features:

25MHz ~ 100MHz Bandwidth

Up to 500MS/s real time sample rate

Max.6000 record length for each channel

Dual channels plus External trigger

Waveform mathematic function

7.8 inch color LCD display for large view

PC communication through the USB or RS232 port for real-time data transmission

Advanced trigger: Edge trigger, Video trigger and Alternate trigger

### Application:

1. Electronic circuit debugging
2. Circuit testing
3. Design and manufacture
4. Education and training
5. Automobile maintenance and testing

### External packaging - Display box



Oscilloscope Specification						
Model	PDS5022S	PDS6042S	PDS6062S/T	PDS7062T	PDS7102T	
Bandwidth	25MHz	40MHz	60MHz	60MHz	100MHz	
Sample Rate ( Real time )	100MS/s	250MS/s	250MS/s	500MS/s	500MS/s	
Rise time	≤14ns	≤8.75ns	≤5.8ns	≤5.8ns	≤3.5ns	
Display	7.8 inch colored LCD, 256 colors for STN screen /65536 colors for TFT screen, 640×480 pixels					
Channel	Dual channels + external trigger					
Sampling mode	Normal sample-Peak detect and Average					
Record length	Max.5000 for each channel			Max.6000 for each channel		
Sampling range	10S/s ~ 100MS/s	10S/s ~ 250MS/s		1S/s ~ 500MS/s		
Horizontal scale (s/div)	5ns/div ~ 100s/div	5ns/div ~ 5s/div		5ns/div ~ 100s/div		
Vertical sensitivity	5mV ~5V/div (at BNC input)					
DC Gain Accuracy	±5%			±3%		
Max. input voltage	300V(PK-PK)(DC + AC PK-PK)			400V(PK-PK)(DC+AC PK-PK)		
Input impedance	1MΩ±2% in parallel with 20pF±5pF			1MΩ±2% in parallel with 20pF±5pF		
Input coupling	AC, DC			AC, DC, GND		
Trigger Mode	Edge, Video			Edge, Video, Alternate		
Vertical resolution (A/D)	8 bits (2CH simultaneously)					
Sampling rate / relay time accuracy	±100ppm					
Interval <sup>(3 T)</sup> accuracy (DC ~ 100MHz)	Single : ±(1 interval time+100ppm×reading+0.6ns) Average>16 : ±(1 interval time +100ppm×reading+0.4ns)					
Waveform storage	4 waveforms					
Automatic measurement	Peak-to-Peak, Average, Root mean square, Frequency, and Cycle					
Waveform math	+ , - , Invert					
Lissajou's figure	Bandwidth	25MHz	40MHz	60MHz	60MHz	100MHz
	Phase difference	±3 degrees				
Interface	USB, RS232					
Power supply	100-240 VACRMS , 50Hz , CAT II					
Dimension	350mm(L)*157mm(H)*103mm(W)					
Weight	1KG			1.75KG		



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