



**Model No: PDS-5022S**

**Main Features:**

25MHz

100MS/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	
Bandwidth	25MHz	
Sample Rate ( Real time )	100MS/s	
Rise time	≤14ns	
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.6000 for each channel	
Sampling range	10S/s ~ 100MS/s	
Horizontal scale (s/div)	5ns/div ~ 100s/div	
Vertical sensitivity	5mV ~5V/div (at BNC input)	
DC Gain Accuracy	±5%	
Max. input voltage	300V(PK-PK)(DC + AC PK-PK)	
Input impedance	1MΩ±2% in parallel with 20pF±5pF	
Input coupling	AC, DC	
Trigger Mode	Edge, Video	
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	
Automatic measurement	Peak-to-Peak, Average, Root mean square, Frequency, and Cycle	
Waveform math	+, -, Invert	
Lissajou's figure	Bandwidth	25MHz
	Phase difference	±3 degrees
Interface	USB, RS232	
Power supply	100-240 VACRMS , 50Hz , CAT II	
Dimension	350mm(L)*157mm(H)*103mm(W)	
Weight	1KG	



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