

# 2GS/s

## MAX SAMPLE REAL RATE

**owon**<sup>®</sup>  
+ Meet your best need

### PDS8102T/PDS8202T

With Logic analyzer interface stand by in your unit!

Support your DSO with LA function to become a MSO is never magic!



### Accessories

The receipt of accessories should be taken as final



FC CE MC



### Performance characteristics

Model	PDS8102T <b>NEW!</b>	PDS8202T <b>NEW!</b>
Bandwidth	100MHz	200MHz
Sample rate(real time)	1GS/s(500MS/s for dual channels)	2GS/s(1GS/s for dual channels)
Display	8.0 inch color LCD, TFT screen, 640×480 pixels	
Dimension	370mm(L)×180mm(H)×120mm(W)	
Weight	2.2Kg	

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

# PDS Series

## Portable Digital Storage Oscilloscope



### Performance characteristics

Model	PDS8102T <small>NEW!</small>	PDS8202T <small>NEW!</small>
Bandwidth	100MHz	200MHz
Sample rate(Real time)	1GS/s(500MS/s for dual channels)	2GS/s(1GS/s for dual channels)
Horizontal Scale(S/div)	2ns/div~100s/div,step by 1~2~5	1ns/div~100s/div,step by 1~2~5
Rise time (at input, typical)	≤3.5ns	≤1.7ns
Channels	Dual channels+external trigger	
Input impedance	1MΩ±2%, in parallel with 20pF±3pF	
Isolation between channels	50Hz(100:1), 10MHz(40:1)	
Max. input voltage	400V(DC + AC PK-PK)	
DC gain accuracy	±3%	
DC accuracy(Average)	Average≥16:±(3% 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	Max.2M	
Sampling rate/relay time accuracy	±100ppm	
Input coupling	DC, AC, GND	
Interval(ΔT) 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	2mV/div~10V/div(at input)	
Trigger type	Edge, Video, Alternate	
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, Delay A→B	
Waveform Math	+, -, ×, ÷, FFT	
Waveform storage	4 waveforms	
Lissajou's figure	Bandwidth	100MHz
	Phase difference	±3 degrees
Communication interface	USB	
Power supply	100V-240V AC, 50/60Hz, CAT II	
Fuse	1A, T class, 250V	

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