



VDS Series PC Oscilloscope

- ✓ Up to 100MHz bandwidth, and max 1GSa/s real-time sample rate
- ✓ 10M record length
- ✓ Friendly UI : FFT, or X-Y, and waveform 2 views displayed on the same screen
- ✓ Multi-trigger option : edge, video, slope, pulse, and alternate
- ✓ USB bus powering, and LAN remote control (optional)
- ✓ Ultra-thin body design, easy portability



+ Performance Specifications

Model	VDS2062		VDS3102	
Bandwidth	60MHZ		100MHZ	
Channel	2+1 (external)			
Sample Rate	single : 500MSa/s	dual : 250MSa/s	single : 1GSa/s	dual : 500MSa/s
Horizontal Scale (s/div)	5ns/div ~ 100s/div, step by 1 ~ 2 ~ 5		2ns/div ~ 100s/div, step by 1 ~ 2 ~ 5	
Rise Time	≤5.8 ns		≤3.5 ns	
Record Length	10M			
Input Coupling	DC			
Input Impedance	1MΩ±2% , in parallel with 10pF±5pF			
Channels Isolation	50Hz : 100 : 1, 10MHz : 40 : 1			
Max Input Voltage	40V (PK - PK) (DC+AC, PK - PK)			
DC Gain Accuracy	±3%			
DC Accuracy	Average≥16: ±(3% reading + 0.05div) for ΔT			
Probe Attenuation Factor	1X, 10X, 100X, 1000X			
LF Respond (AC, -3dB)	≥5Hz (at input, AC coupling, -3dB)			
Sampling Rate / Relay Time Accuracy	150ps			
Interpolation	sin(x) / x			
Interval (ΔT) Accuracy (full bandwidth)	Single: ±(1 interval time + 100ppm × reading + 0.6ns), Average >16: ±(1 interval time + 100ppm × reading + 0.4ns)			
Vertical Resolution (A/D)	8 bits resolution (2 channels simultaneously)			

Model	VDS2062	VDS3102
Vertical Sensitivity	5mV/div ~ 5V/div	
Trigger Type	Edge, Pulse, Video, Slope, Alternate	
Trigger Mode	Auto, Normal, Single	
Trigger Level	±5 divisions from screen center	
Acquisition Mode	Sample, Peak Detect, and Average	
Line / Field Frequency (video)	NTSC, PAL, and SECAM standard	
Cursor Measurement	ΔV, and ΔT between cursors	
Automatic Measurement	Vpp, Vmax, Vmin, Vtop, Vbase, Vamp, Vavg, Vrms, Overshoot, Preshoot, Freq, Period, Rise Time, Fall Time, Delay A→B, Delay A→B, +Width, Width, +Duty, Duty	
Waveform Math	+, -, ×, ÷, FFT	
Lissajous Figure	Bandwidth	full bandwidth
	Phase Difference	±3 degrees
Communication Interface	USB 2.0, LAN, RS232 (optional)	
Power Supply	5.0V/1A	
Power Consumption	≤5W	
Dimensions (W × H × D)	190 × 120 × 18 (mm)	

Specifications subject to change without prior notice.

+ Application

design and debug circuit function test education and training



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