

## VDS Series PC Oscilloscope



- + Up to 100MHz bandwidth, and max 1GS/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 (multi)	
Sample Rate	single : 500MS/s    dual : 250MS/s	single : 1GS/s    dual : 500MS/s
Horizontal Scale (s/div)	5ns/div - 100s/div, step by 1 - 2 - 5	
Rise Time	≤5.8ns	≤3.5ns
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 + 0.05 div) 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)	
Vertical Sensitivity	5mV/div - 5V/div	

Model	VDS2062	VDS3102
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	+, -, ×, ÷, invert, FFT	
Lissajous Figure	Bandwidth	full bandwidth
	Phase Difference	±3 degrees
Communication Interface	USB, LAN (optional), RS232 (optional)	
Multi-function Interface	Signal Type	synchronized input / output, Pass / Fail, external trigger input
	Level Standard	TTL
Power Supply	5.0V/1A	
Power Consumption	≤5W	
Dimensions (W × H × D)	190 × 120 × 18 (mm)	
Weight (without package)	0.26 kg	

Specifications subject to change without prior notice.

### + Application

design and debug    circuit function test    education and training

### + Accessories

The accessories subject to final delivery.



Probe    Probe Adjust    USB    Adapter    Power Cord    CD Rom    Manual