

VDS Series PC Oscilloscope



- + Up to 100MHz bandwidth, and max 1GS/s real-time sample rate
- + 2 / 4 channels
- + Max 10M record length
- + Friendly UI : FFT, or X-Y, and waveform 2 views displayed on the same screen
- + Multi-trigger option :
 CE edge, video, slope, pulse, and alternate
- + USB isolation - less signal inference, more PC protection
- + USB bus powering, and LAN remote control (optional)
- + Ultra-thin body design, easy portability

+ Performance Specifications

Model	VDS1022I	VDS1022	VDS2062	VDS3102	VDS3104
Bandwidth	25MHz		60MHz	100MHz	
Channel	2+1 (multi)				4+1 (multi)
Sample Rate	100MS/s		500MS/s	1GS/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	≤14ns		≤5.8ns	≤3.5ns	
Record Length	5K		10M		
Input Coupling	DC, AC, GND				
Input Impedance	1MΩ ± 2%, in parallel with 10pF ± 5pF				
Channels Isolation	50Hz : 100 : 1 ; 10MHz : 40 : 1				
Max Input Voltage	400V (PK - PK) (DC + AC, PK - PK)		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	VDS1022I	VDS1022	VDS2062	VDS3102	VDS3104
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, Vavg, Vrms, Freq, Period, Vmax, Vmin, Vtop, Vbase, Overshoot, Preshoot, 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	USB1.1 (isolation)	USB1.1	USB2.0, LAN (optional)		
Multi-function Interface	Signal Type	synchronized input / output, Pass / Fail, external trigger input			
	Level Standard	TTL			
Power Supply	5.0V/1A				
Power Consumption	≤1.5W		≤5W		
Dimensions (W × H × D)	170 × 120 × 18 (mm)		190 × 120 × 18 (mm)		
Weight (without package)	About 0.26 kg			About 0.30 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 Power Cord* CD Rom Manual USB Adapter* Silicon Gel Case

* Power cord and adapter only available for models with LAN port.