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 : edge, video, slope, pulse, and alternate
- + USB isolation - less signal interference, more PC protection
- + USB bus powering, and LAN remote control (optional)
- + Ultra-thin body design, easy portability
- + SCPI supported
- + LabVIEW supported (only in VDS3102, and VDS3104)

+ Performance Specifications

Model	VDS1022I	VDS1022	VDS2062	VDS2064	VDS3102	VDS3104
Bandwidth	25MHz		60MHz		100MHz	
Channel	2+1 (multi)			4+1 (multi)	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	5M	10M	5M
Input Coupling	DC, AC, and GND					
Input Impedance	1MΩ ± 2%, in parallel with 10pF ± 5pF					
Channel Isolation	50Hz : 100 : 1 ; 10MHz : 40 : 1					
Max Input Voltage	400V (DC + AC peak)	40V (DC + AC peak)				
DC Gain Accuracy	±3%					
DC Accuracy	Average≥16 : ±(3% reading + 0.05 div) for △T					
Probe Attenuation Factor	1X, 10X, 100X, 1000X					
LF Respond (AC, -3dB)	≥10Hz (at input, AC coupling, -3dB)					
Sample Rate / Relay Time Accuracy	150ps					
Interpolation	sin(x)/x					
Interval (△T) 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 (2 channels simultaneously)					

Model	VDS1022I	VDS1022	VDS2062	VDS3102	VDS2064	VDS3104
Vertical Sensitivity	5mV/div - 5V/div					
Trigger Type	Edge, Pulse, Video, Slope, and Alternate					
Trigger Mode	Auto, Normal, and 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	△V, and △T between cursors					
Automatic Measurement	Vpp, Vavg, Vrms, Freq, Period, Vmax, Vmin, Vtop, Vbase, Vamp, 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	USB2.0 (isolation)	USB2.0	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 x H x D)	170 x 120 x 18 (mm)			190 x 120 x 18 (mm)		
Device Weight	0.26 kg				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 Cable   Adapter*   Silicon Gel Case   Soft Bag (optional)

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