VDS Series PC Oscilloscope

CE

+ 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 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 △T				
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 (△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 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		△V, and △T 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 adapater only available for models with LAN port.