OWON®

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 inference, more PC protection
+ USB bus powering, and LAN remote control (optional)
+ Ultra-thin body design, easy portability

CE

+ Performance Specifications

Model	VDS1022I	VDS1022	VDS2062	VDS2064 NEW!	VDS3102	VDS3104 NEW!
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, 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 (2 channels simultaneously)					

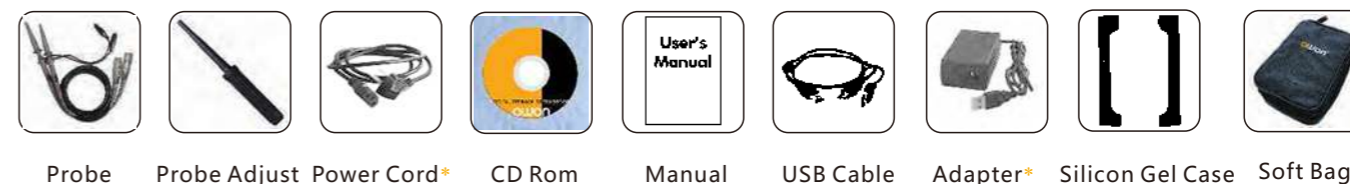| Model	VDS1022I	VDS1022	VDS2062	VDS3102	VDS2064 NEW!	VDS3104 NEW!
Vertical Sensitivity	5mV/div - 5V/div					
Trigger Type	Edge, Pulse, Video, Slope, Alternate					
Trigger Mode	Auto, Normal, Single					
Trigger Level	±5 divisions from screen center					
Acquisition Mode	Sample, Peak Detect, and Average					
Line / Field Frequency (video)	NTSC, PAL, and SECAM standard					
Cursor Measurement	△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 × H × D)	170 × 120 × 18 (mm)			190 × 120 × 18 (mm)		
Weight (without package)	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

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