



VDS 3102 PC Oscilloscope

- + 100MHz bandwidth, and 1GS/s sample rate
- + 2/ 4 channels
- + 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	VDS3102
Bandwidth	100MHZ
Channel	2+1 (multi)
Sample Rate	1GSa/s
Horizontal Scale (s/div)	2ns/div ~ 100s/div, step by 1 ~ 2 ~ 5
Rise Time	≤3.5 ns
Record Length	10M
Input Coupling	DC, AC, GND
Input Impedance	1MΩ±2% , in parallel with10pF±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 + 0.05div) 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 (2 channels simultaneously)

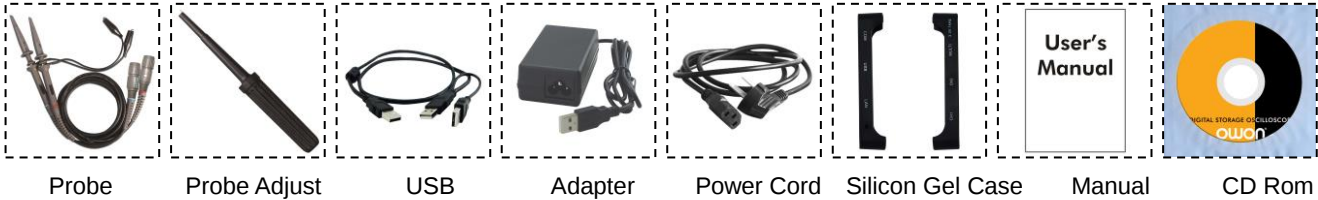
Model		VDS3102
Vertical Sensitivity		5mV/div ~ 5V/div
Trigger Type		Edge, Pulse, Video, Slope, Alternate
Trigger Mode		Auto, Normal, Single
Trigger Level		±5 divisions from screen center
Acquisition Mode		Sample, Peak Detect, and Average
Line / Field Frequency (video)		NTSC, PAL, and SECAM standard
Cursor Measurement		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 2.0, 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		≤5W
Dimensions (W × H × D)		190 × 120 × 18 (mm)
Weight (without package)		About 0.3 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.



PS : Adapter and power cord only available for models with LAN port.

