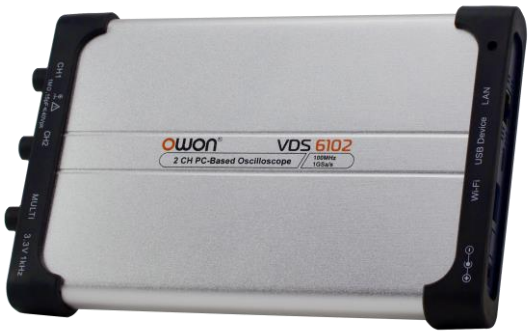
VDS6000 Series PC Oscilloscope



+ Two channel ultra thin design
+ Up to 100MHz bandwidth, and max 1GS/s real-time sample rate
+ 5MHz signal generator as standard
+ 8 bits, 12 bits, 14 bits vertical accuracy, more accurate measurement
+ Max 10M record length
+ Friendly UI : X-Y, and waveform 2 views displayed on the same screen
+ SCPI、LABVIEW supported
+ Support the secondary development of windows / Linux / Android / Ios platform
+ USB typ-c power supply, faster data transmission, support 5-15v wide voltage power supply
+ WIFI unlimited transmission, more convenient to use. (WiFi accessories are required)

+ Performance Specifications

Model	VDS6102	VDS6102A
Bandwidth	100MHz	
Channel	2+1 (signal source)	
Sample Rate	1GSa/s	
Rise Time	≤3.5 ns	
Horizontal Scale (s/div)	5ns/div～100s/div， step by 1～2～5	
Sampling mode	General sampling, peak detection, average	
Record Length	10M	
Input Coupling	DC, AC, GND	
Input Impedance	1MΩ±2%，in parallel with15pF±5pF	
Time base accuracy	±25ppm	
Interval (△T) Accuracy (full bandwidth)	Single：±(1interval time+100ppm×reading+0.6ns)， Average >16：±(1 interval time+100ppm×reading+0.4ns)	
Vertical Sensitivity	2mV/div～5V/div	
Vertical Resolution (A/D)	8bits	8bits,12bits,14bits
Max Input Voltage	40V Peak value（DC + AC Peak value）	
Bandwidth limitation	20 MHz，full bandwidth	
Probe Attenuation Factor	1X，10X，100X，1000X	
Isolation between channels	50Hz: 100 : 1，10MHz: 40 : 1	
Interpolation	Sin(x)/x	
Displacement range	±20 V (100 mV/div – 500 mV/div); ±40 V (1 V/div – 5 V/div)	
Single Bandwidth	full bandwidth	
Low frequency response (AC coupling, - 3dB)	≥5Hz（in BNC ）	
DC Gain Accuracy	±3%	±2%
Trigger Type	Edge, Pulse,Video, Slope,	

Line / Field Frequency (video)		NTSC, PAL, and SECAM standard
Trigger Mode		Auto, Normal, and Single
Cursor Measurement		△V, and △T 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
Lissajous Figure	Bandwidth	full bandwidth
	Phase Difference	±3 degrees
Communication Interface		USB (Typ-c)； LAN, WIFi
Power Consumption		≤8W
Dimensions (W × H × D)		190mm×120mm×18mm
Device Weight		0.4kg

Signal source parameters	
Standard waveform	sine（0.1 Hz - 5 MHz）、Rectangular wave（0.1 Hz-200 kHz）、Sawtooth wave（1 Hz-10 kHz）、Pulse wave（1 Hz-10 kHz）
Maximum output frequency	5 MHz
Sample Rate	25M Sa/s
Channel	1
Vertical Resolution (A/D)	10bits
Output amplitude	10mVpp - 5Vpp
DC offset range（AC+DC）	±(2.5 Vpk - Amplitude Vpp/2)
Output impedance	50Ω Typical

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


USB Cable


Silicon Gel Case


CD Rom


WIFI Modular(optional)


Adapter


Power Cord


Q9 line

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