



## PC USB Digital Oscilloscope with Arbitrary Waveform Generator

### OHUS5000 Series

- 4 channel oscilloscope. One computer can be connected to multiple oscilloscopes; number of channels can be easily expanded.
- 70, 100, 200 MHz bandwidths; 1 GSa/s sampling rate.
- 25 MHz arbitrary waveform output.
- More than 20 kinds of automatic measurement functions; pass / fail check function.
- Windows 7, 8 and 10 compatible.
- USB 2.0 interface plug and play.

Model	OHUS5070	OHUS5100	OHUS5200	OHUS5250	
Input	Analog Channels	4			
	Bandwidth	70 MHz	100 MHz	200 MHz	250 MHz
	Input Impedance	Resistance: 1 MΩ; Capacitance: 25 pF			
	Input Sensitivity	2 mV/div to 10 V/div			
	Input Coupling	AC, DC, GND			
	Vertical Resolution	8 bit			
	Max. Input	400 V (DC+AC peak)			
	Real-time sampling Rate	1 GSa/s			
	Time base range	2 ns/div to 1000 s/div			
Time base precision	±50 ppm				
Horizontal	Memory Depth	64 k			
	Bandwidth Limit	20 MHz			
	Position Range	± 4division			
	-3 dB	≤ 10 Hz (at input BNC)			
Vertical	DC Gain Accuracy	±3%			
	Probe Attenuation Factors	1x, 10x, 100x, 1000x 10000x, 20; 1			
	Vertical Scale Range	2 mV ~ 10 V/div @ × 1 probe (1, 2, 5 sequence); 20 mV ~ 100v/div @ ×10 probe 2 V ~ 1000 V/div @ ×100 probe; 20 V ~ 10 KV/div @ ×1000 probe; 20 V ~ 100000 V/div @ ×10000 probe; 200 mV ~ 200 V/div @ 20: 1			
Trigger	Trigger Source	CH1, CH2, CH3, CH4			
	Trigger Mode	Auto, Normal and Single			
	Trigger Type	Edge, Pulse, Video, Alternative			
	Trigger Sensitivity	0.02 div increments			
	Trigger Level Range	±4 V			
	Trigger Level Accuracy	±4 division			
	Edge Trigger Slope	Rising, falling			
	Pulse Width Trigger	Trigger Condition: Trigger when <, >, =, or ≠; positive pulse or negative pulse Pulse Width Range: selectable from 10 ns to 10 s			
	Video Trigger	Trigger on an NTSC, PAL, or SECAM standard video signal Line Range: 1-525 (NTSC), 1-625 (PAL/SECAM)			
Slope Trigger	Trigger (when >, <, =, ≠) on a positive or negative slope; set time: 20 ns- 10 s				
Arbitrary Waveform Generator	Waveform Frequency	DC ~ 25 MHz	DC ~ 25 MHz	DC ~ 25 MHz	DC ~ 25 MHz
	DAC Clock	2K ~ 200 MHz	2K ~ 200 MHz	2K ~ 200 MHz	2K ~ 200 MHz
	Vertical Resolution	12 bit	12 bit	12 bit	12 bit
	Waveform Depth	4 k	4 k	4 k	4 k
	Wave Amplitude	±3.5 V Max	±3.5 V Max	±3.5 V Max	±3.5 V Max
	Output Impedance	50 Ω	50 Ω	50 Ω	50 Ω
Measurement	Waveform Single process	+, -, ×, ÷, FFT			
	Auto Set	Yes			
	Cursor Measure	Amplitude difference between cursors (ΔV); time difference between cursors (Δt); Reciprocal of Δt in Hz (1/Δt) (cross, trace, horizontal, vertical)			
Auto Measure	Vp-p, Vmax, Vmin, Vmean, Vamp, Vtop, Vbase, Vtop, Vbase, Vmid, Vrms, Vcrms, preshoot, overshoot, frequency, period, rise time (10%-90%), fall time (10%- 90%), positive width, negative width, duty cycle				
General Feature	FFT	Rectangular, Hamming, Blackman window			
	Interface	USB2.0 (USBXl optional)			
	Power Source	No external power, bus-powered from USB			
	Size	175 mm × 105 mm × 25 mm (L x W x H)			
	Wight	0.45 kg (without packaging)			
Includes DEMO code (VC, VB, LABVIEW).					
The waveform data could be output to EXCEL, BMP, JPG, as time and voltage category.					

**Accessories:**

<b>OHUS5000-A1</b>	Two Passive Probes (x1, x10)
<b>OHUS5000-A2</b>	Software CD
<b>OHUS5000-A3</b>	BNC to BNC Cable

**Options:**

<b>OHUS5000-A4</b>	USBXI Interface
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