



PC USB Digital Oscilloscope

OHUS4000 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.
- 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		OHUS4070	OHUS4100	OHUS4200
Input	Analog Channels	4		
	Bandwidth	70 MHz	100 MHz	200 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	±4 division		
	-3 dB	≤ 10 Hz (at input BNC)		
Vertical	DC Gain Accuracy	±3%		
	Probe Attenuation Factors	1×, 10×, 100×, 1000× 10000×, 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		
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 (USBXI 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:

OHUS4000-A1	Two Passive Probes (x1, x10)
OHUS4000-A2	Software CD

Options:

OHUS4000-A3	USBXI Interface
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