



Handheld Oscilloscope | Hantek2000 Series

70MHz Bandwidth, 250MSa/s Sample Rate,
DSO + DMM + AWG

Handheld
Oscilloscope



Product Features

- Oscilloscope + Multimeter + Arbitrary waveform generator;
- Oscilloscope: 70MHz/40MHz bandwidth, 2 channels;
- Automatic measuring function;
- Multimeter: AC/DC Voltage, AC/DC Current, Resistance, Capacitance, Diode, On-off test;
- Generator: Up to 25MHz frequency output, waveforms built-in including 4 standard waveforms and 4 editable arbitrary waveforms;
- 320 × 240 TFT color LCD display, built-in 5,200mAh lithium battery support 5 hours long field work.

Specification

Model		Hantek2D72	Hantek2D42	Hantek2C72	Hantek2C42
Channels		2			
Bandwidth		70MHz	40MHz	70MHZ	40MHz
Sample Rate		250MSa/s (Single-channel), 125MSa/s (Full-channel)			
Time Modes		YT, XY, Roll			
Vertical Scale		10 mV/div~10V/div			
Coupling		DC, AC, GND			
Input Impedance		1MΩ ± 2% ≈ 25pF ± 3pF			
Probe Attenuation Factors		1X, 10X, 100X, 1000X			
Max. Input Voltage		150Vrms			
Timebase Range		5ns/div ~ 500s/div (1-2-5 sequence)			
Memory Depth		Max. 6K			
Vertical Resolution		8 bits			
Bandwidth Limit		20MHz			
Rise Time		≤5ns	≤8.75ns	≤5ns	≤8.75ns
Trigger Source		CH1, CH2			
Trigger Mode		Auto, Normal, Single			
Trigger Type		Edge			
Triggered Range		±4 div from center of screen			
Cursor Measure		Voltage difference between cursors ΔV; Time difference between cursors ΔT			
Automatic Measurements		Maximum, Minimum, Frequency			
Generator	Max. Frequency	25MHz			
	Sample Rate	250MSa/s			
	Frequency Resolution	0.1%			
	Waveform Output	1			
	Waveform Length	512Sa			
	Amplitude Range	2.5Vpp (50Ω); 5Vpp (High impedance)			
DMM	Resolution	4,000 counts			
	Modes	DC Voltage, AC Voltage, DC Current, AC Current, Resistance, Capacitance, Diode & On-Off			
	Max. Input Voltage	AC: 600V, DC: 600V			
	Min. Input Current	AC: 10A, DC:10A			
	Input Impedance	10MΩ			
Temperature		Operating: 0°C to 40°C; Non-operating: -20°C to +60°C			
Humidity		< 35°C, ≤ 90% relative humidity; 35°C ~ +40°C, ≤60% relative humidity			
Dimensions		199mm × 98mm × 41mm (L × W × D)			
Weight		0.8kg			

Model

Model	Channels	Bandwidth	Sample Rate	Memory Depth	Battery Capacity	DMM	Waveform Generator
Hantek2C42	2	40MHz	250MSa/s	6Kpts	3.7V 5,200mAh Lithium rechargeable battery pack	4,000 counts	--
Hantek2C72	2	70MHz	250MSa/s	6Kpts		4,000 counts	--
Hantek2D42	2	40MHz	250MSa/s	6Kpts		4,000 counts	25MHz, 1 Output
Hantek2D72	2	70MHz	250MSa/s	6Kpts		4,000 counts	25MHz, 1 Output