



## 5 in 1 Handheld Instrument: Oscilloscope, Arbitrary Waveform generator, Frequency Spectrum Analyzer, Frequency Counter, Digital Multimeter

### OHUI5060

- 2 channel oscilloscope; 60 MHz bandwidth, 250 MSa/s sampling rate;
- 22 kinds of auto measurements (functions FFT, + , - , \* , / , X-Y); pass / fail check.
- Arbitrary waveform generator: 25 Mz arbitrary waveform output, 200 MSa/s DDS, 12 bits of vertical resolution.
- Hardware frequency counter; 6000 count high precision DMM; separate ground reference.
- 5.7" TFT color LCD display.
- USB host / device 2.0 full-speed interface; supports removable disk.

Model	OHUI-5060		
Bandwidth	60 MHz		
Channel	2		
Real-Sample Rate	250 MSa/s		
Equivalent Sample Rate	50 GSa/s		
Record Length	32K		
Rise Time	≤5.8 ns		
Timebase Accuracy	±50 ppm		
Time Base Range	5 ns/div-1000 s/div		
Input Impedance	1 mΩ    15 pF		
VOLTS/DIV Range	10 mV/div~ 5 V/div		
A/D Converter	8bit		
Position Range	±50 V (5 V/div), ±40 V (2 V/div~500 mV/div), ±2 V (200 mV/div~50 mV/div), ±400 mV (20 mV/div~2 mV/div)		
DC Gain Accuracy	±3% for Normal or Average acquisition mode, 5 V/div to 10 mV/div; ±4% for Normal or Average acquisition mode, 5 mV/div to 2 mV/div		
Bandwidth Limit	20 MHz		
Trigger Types	Edge, video, pulse, alternative		
Trigger Source	CH1, CH2		
Math	+, -, x, ÷, FFT, Invert		
Cursor Measurement	Voltage difference between cursors: ΔV; Time difference between cursors: ΔT; Reciprocal of ΔT in Hz (1/ΔT);		
Auto Measurement	Frequency, period, mean, Pk-Pk, cyc RMS, minimum, maximum, rise time, fall time, +pulse width, -pulse width, delay1-2rise, delay1-2fall, +duty, -duty, Vbase, Vtop, Vmid, Vamp, overshoot, preshoot, period mean, period RMS, FOVshoot, RPRESshoot		
Waveform Frequency	DC ~ 25 MHz		
DAC Clock	2K ~ 200 MHz adjustable		
Frequency Resolution	0.10%		
Channel Count	1CH waveform output		
Waveform Depth	4 KSa		
Vertical Resolution	12 bit		
Frequency Stability	<30 ppm		
Waveform Range	±3.5 V Max.		
Output Impedance	50 Ω		
Output Current	50 mA Ipeak=50 mA		
System BW	25 M		
Harmonic Distortion	-50 dBc (1 kHz), -40 dBc (10 kHz)		
Frequency Range	DC ~ 60 MHz		
Input Range	400 mVpp ~ 18 Vpp		
Coupling Mode	DC		
Frequency Measurement Accuracy	±Time base error ±1 count		
Input Impedance	> 100 KΩ		
Display	5.7" TFT display, 320 x 240 dots		
Size	245 mm x 163 mm x 52 mm		
Weight	1.3 kg (without package)		
Standard Probe	PP80x2		
<b>DMM Mode</b>			
Max. Resolution	6000 counts		
DMM Testing Modes	Voltage, current, resistance, capacitance, diode & continuity		
Max. Input Voltage	AC: 600 V, DC: 800 V		
Max. Input Current	AC: 10 A, DC: 10 A		
Input Impedance	10 mΩ		
DMM Trend Plot	1.2 M Point		
Range	Resolution	Accuracy	Resolution
DC Voltage	60.00 mV	±1%±3 digit	10 uV
	600.0 mV		100 uV
	6.000 V		1 mV
	60.00 V		10 mV
	600.0 V		100 mV
	800 V		1 V
AC Voltage	60.00 mV	±1%±3 digit	10 uV

	600.0 mV		100 $\mu$ V
	6.000 V		1 mV
	60.00 V		10 mV
	600.0 V		100 mV
Range AC Current	<b>Resolution</b>	<b>Accuracy</b>	<b>Resolution</b>
	60.00 mA	$\pm 1\% \pm 5$ digit	10 $\mu$ A
	600.0 mA	$\pm 1.5\% \pm 5$ digit	100 $\mu$ A
	6.000 A		1 mA
	10.00 A		10 mA
Resistance	600 $\Omega$	$\pm 1\% \pm 3$ digit	0.1 $\Omega$
	6.000 K $\Omega$		1 $\Omega$
	60.00 K $\Omega$		10 $\Omega$
	600.0 K $\Omega$		1 K $\Omega$
	6.000 m $\Omega$		10 K $\Omega$
	60.00 m $\Omega$	$\pm 1\% \pm 5$ digit	100 K $\Omega$
Capacitance	40.00 nF	$\pm 2\% \pm 5$ digit	10 pF
	400.0 nF		100 pF
	4.000 $\mu$ F		1 nF
	40.00 $\mu$ F		10 nF
	400.0 $\mu$ F		100 nF
	Attention: the smallest capacitance value that can be measured in 5 nF.		
Diode	0 V ~ 2.0 V		
On-Off Test	<10 $\Omega$		

**Accessories:**

<b>OHUI5060-A1</b>	Adapter
<b>OHUI5060-A2</b>	Oscilloscope Probes (x2) and Test Leads (x2)
<b>OHUI5060-A3</b>	Software CD
<b>OHUI5060-A4</b>	Portable Bag
<b>OHUI5060-A5</b>	Car Power Adapter

**Options:**

<b>OHUI5060-A6</b>	LAN Interface
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