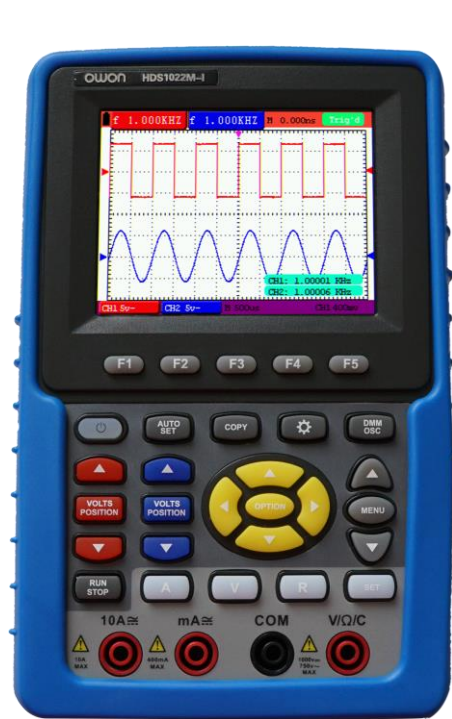




HDS1022M-I Handheld DSO w/ Channel Isolation

- + 2 in 1 (DSO + Multimeter)
- + with good **ISOLATION** between channels
- + Auto-scale function
- + FFT function
- + 20 group automatic measurement options
- + Bandwidth : 20MHz
- + USB data transmission supported
- + Rechargeable Li-ion battery
- + Multimeter newly supported SCPI

+ Performance Specifications

Model	HDS1022M-I
Bandwidth	20MHz
Sample Rate	100MS/s
Rise Time (at input, typical)	≤17.5ns
Record Length	6K points
Channel	dual, insulated ground of 1000 : 1
Display	3.7" color TFT LCD, 640 x 480 pixels
Floating Meas. Channel	insulated input ground between multimeter / oscilloscope mode
Input Coupling	DC, AC, and GND
Input Impedance	1MΩ±2%, in parallel connection with 15pF± 5pF
Horizontal Scale (s/div)	5ns/div - 100s/div, step by 1 - 2 - 5
Interval (ΔT) Accuracy	single: ±(1 interval time + 100ppm x reading + 0.6ns), average>16: ±(1 interval time + 100ppm x reading + 0.4ns)
Vertical Sensitivity	5mV/div - 5V/div (at input)
Vertical Resolution	8 bits
Max Input Voltage	400V (DC + AC / PK - PK, 1MΩ input impedance, probe attenuation in 10 : 1)
Trigger Type	Edge: rising edge, falling edge Video: line, field, random line, odd / even fields Alternate
Trigger Mode	Auto, Normal, and Single
Automatic Measurement	Vpp, Vavg, Vrms, Vmax, Vmin, Vtop, Vbase, Vamp, Overshoot, Preshoot, Freq, Period, Rise Time, Fall Time, Delay A→B↑ , Delay A→B↓ , +Width, -Width, +Duty, -Duty
DC Accuracy (average)	average>16: ±(5% reading 0.05 div) for ΔV
Waveform Math	+, −, *, / , FFT, invert
Waveform Storage	4 waveforms

Lissajous Figure	Bandwidth	full bandwidth
	Phase Difference	±3 degrees
Cursor Measurement		ΔV, and ΔT between cursors
Communication Interface		USB host, and USB device
Battery		built-in Li-ion battery, 7.4V / 3500mAh
Dimension (W / H / D)		180 x 113 x 40 mm
Weight		645 g

+ Multimeter Specifications

Full Scale Reading	3 ³ / ₄ digit (max 4000-count)	Diode	0V - 1.5V
Input Impedance	10 MΩ	On / Off Test	< 50 (± 30) beeping
Voltage	VDC : 400mV, 4V, 400V : ±(1% ± 1 digit); max input : DC 400V VAC : 4V, 40V, 400V : ±(1% ± 3 digits), Frequency : 40Hz - 400Hz; max input : AC 750V (virtual value)		
Current	DCA: 40mA, 400mA: ±(1.5% ±1 digit), 10A: ±(3% ± 3 digits) ACA: 40mA: ±(1.5% ± 3 digit); 400mA: ±(2 ± 1 digit); 10A: ±(3% ± 3 digits)		
Impedance	400Ω: ±(1% ± 3 digits); 4KΩ / 40KΩ / 400 KΩ / 4MΩ: ±(1% ± 1 digit); 40MΩ: ±(1.50% ± 3 digits)		
Capacitance	51.2nF - 100uF : ±(3% ± 3 digits)		

Specifications subject to change without prior notice.

+ Application

- electronic circuit debugging
education and training
- circuit testing
automobile maintenance and testing
- design and manufacture

+ Accessories

The accessories subject to final delivery.

Power Cord	CD Rom	USB Cable	Probe	Probe Adjust	Multimeter Lead
Adapter	5V, 1KHz Output	Manual	Capacitance Ext Module	Metal Case	Soft Bag (optional)