HDS1022M-I Handheld DSO w/ Channel Isolation

+ 2 in 1 (DSO + Multimeter)
+ with good **ISOLATION** between channels
+ The channel-to-channel isolation has a safety rating of 1000 V, CAT II
+ 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 (△T) 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 (PK - PK) (DC + AC, PK - PK, 1MΩ input impedance, probe attenuation 10 : 1), CAT II
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, Freq, Period, Vmax, Vmin, Vtop, Vbase, Vamp, Overshoot, Preshoot, 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 △V
Waveform Math		+, −, *, / , FFT, invert
Waveform Storage		4 waveforms

Lissajous Figure	Bandwidth	full bandwidth
	Phase Difference	±3 degrees
Cursor Measurement		△V, and △T between cursors
Communication Interface		USB host, and USB device
Battery		built-in Li-ion battery, 7.4V / 3500mAh
Dimension (W / H / D)		113 x 180 x 40 mm
Weight		645.00 g

+ Multimeter Specifications

Full Scale Reading	$3\frac{3}{4}$ digits (max 4000 count)	**Diode**	0V - 1.5V
Input Impedance	10 MΩ	**On / Off Test**	< 50 (± 30) beeping
Voltage	VDC : 400mV, 4V, 400V, 1000V : ±(1% ± 1 digit); max input : DC 1000V 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
circuit testing
design and manufacture
education and training
automobile maintenance and testing

+ 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)