

# CLASSIC SCOPEMETER

## Handheld Digital Storage Oscilloscope

1. Autoscale
2. 20 Automatic Measurements
3. 2 in 1(DSO+Multimeter)
4. Bandwidth: 20MHz-60MHz
5. Support USB for data transmission to PC
6. TFT true color display
7. Replaceable li-ion battery back up (6 hours)

Application:  
Electronic circuit debugging  
Circuit testing  
Design and manufacture  
Education and training  
Automobile maintenance and testing

### Accessories

The receipt of accessories should be taken as final



Probe



Multimeter lead



Adapter



USB



Probe adjust



Manual



Small capacitance module



CD-Rom



Current extend module



Soft bag



Metal case (optional)

### Package optional

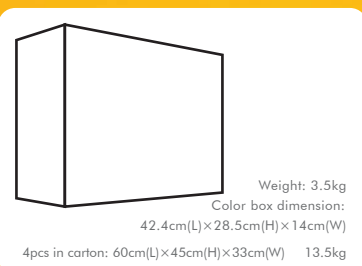
Compact package

(Soft bag without metal case)



Standard package

(Metal case without Soft bag )



### Performance characteristics



Model	HDS1021M(Single)	HDS1022M	HDS2062M
Bandwidth	20MHz	20MHz	60MHz
Sample rate(real time)	100MS/s	100MS/s	250MS/s
Display	3.5" color display , TFT panel(320×240 pixels)	3.8" color display , TFT panel(320×240 pixels)	
Dimension	180mm(L)×115mm(H)×40mm(W)		
Weight	455g	645g	

# HDS Series

## Handheld Digital Storage Oscilloscope



### Performance characteristics

Model		HDS1021M	HDS1022M	HDS2062M
Bandwidth		20MHz	20MHz	60MHz
Sample rate(Real time)		100MS/s	100MS/s	250MS/s
Horizontal Scale(S/div)		5ns/div~100s/div,step by 1~2.5~5		
Rise time (at input, typical)		≤17.5ns		
Channels		Single	Dual	
Input coupling		DC, AC, GND	DC, AC	
Acquisition modes		Sample, Peak Detect and Average		
Input impedance		1MΩ±2%, in parallel with 20pF±3pF	1MΩ±2%, in parallel with 20pF±5pF	
Probe attenuation factor		1X, 10X, 100X, 1000X		
Max. input voltage		400V (PK-PK) (DC + AC PK-PK, 1MΩ input impedance, Probe attenuation 10:1)		
Record length		Max.6000 points on each channel		
Interpolation		(sin x)/x		
Vertical resolution (A/D)		8 bit		
Vertical sensitivity		5mV/div~5V/div(at input)		
DC gain accuracy		±3%	±5%	
DC accuracy(Average)		Average>16:±(5% reading+0.05div) for ΔV		
Trigger type		Edge, Video		
Trigger level		±6 divisions from screen center		
Trigger mode		Auto, Normal, Single		
Cursor measurement		ΔV and ΔT between cursors		
Automatic measurement		Vpp, Vavg, RMS, Frequency, Period, Vmax, Vmin, Vtop, Vbase, Width, Overshoot, Pre-shoot, Rise Time, Fall Time, +Width, -Width, +Duty, -Duty, Delay A→B <sub>f</sub> , Delay A→B <sub>r</sub>		
Waveform Math		Unavailable	+, -, ×, ÷	
Waveform storage		4 waveforms		
Lissajou's figure	Bandwidth	Unavailable	20MHz	60MHz
	Phase difference	Unavailable	±3 degrees	
Communication interface		USB		
Power supply		100V-240V AC, 50/60Hz		
Li-ion battery		7.4V, 6 Hours operation		

### Multimeter specifications

Full scale reading	3 $\frac{3}{4}$ digits (Max.4000-count)
Input Impedance	10 MΩ
Max input Voltage	AC: 750V, DC: 1000V
Max input Current	AC: 20A, DC: 20A

OWON continues to improve products and reserves the rights to change specifications without advance notice. For latest ones, please refer to our website.

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