

SUPREME SCOPEMETER

HDS-N Series NEW Handheld Digital Storage Oscilloscope



Creative design of Silica gel key offer easy touching and friendly operation
Creative design of separate shortcut key simplified operation steps

1. Autoscale
2. 20 Automatic Measurements
3. 2 in 1 (DSO+Multimeter)
4. Bandwidth: 20MHz-100MHz
5. Support USB for data transmission to PC
6. Replaceable li-ion battery back up (6 hours)
7. USB Flash Disk Storage
8. Waveform Record & Replay

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

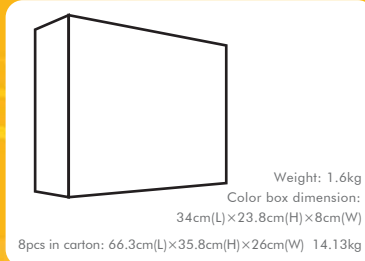


Package optional

Standard package(Metal case without soft bag)



Compact package(soft bag without metal case)



Performance characteristics



Model	HDS1022M-N	HDS2062M-N	HDS3102M-N
Bandwidth	20MHz	60MHz	100MHz
Sample rate(real time)	100MS/s	250MS/s	500MS/s
Display	3.7 inch color display with TFT panel(640×480 pixels,65535 colors)		
Dimension	180mm(L)×115mm(H)×40mm(W)		
Weight	645g		

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Bandwidth	20MHz	60MHz	100MHz	
Sample rate(Real time)	100MS/s	250MS/s	500MS/s	
Horizontal Scale(S/div)	5ns/div~100s/div,step by 1~2.5~5	5ns/div~100s/div,step by 1~2~5		
Rise time (at input, typical)	≤17.5ns	≤5.8ns	≤3.5ns	
Channels	Dual			
Input coupling	DC, AC, GND			
Acquisition modes	Sample, Peak Detect and Average			
Input impedance	1MΩ±2%, in parallel with 20pF±5pF		1MΩ±2%, in parallel with 15pF±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 (2 channels simultaneously)			
Vertical sensitivity	5mV/div~5V/div(at input)			
DC gain accuracy	±3%			
DC accuracy(Average)	Average>16:±(5% reading+0.05div) for ΔV			
Trigger type	Edge, Video, Alternate			
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 _↓ , Delay A→B _↑			
Waveform Math	+, -, ×, ÷, FFT			
Waveform storage	4 waveforms			
Lissajou's figure	Bandwidth	20MHz	60MHz	100MHz
	Phase difference	±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:10A, DC:10A

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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