

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. 3 in 1(DSO+Multimeter+Cymometer)
2. Autoscale
3. FFT function
4. 20 Automatic Measurements
5. Bandwidth: 20MHz-100MHz
6. Support USB for data transmission to PC
7. Replaceable li-ion battery back up (6 hours)
8. USB Flash Disk Storage
9. Waveform Record & Replay(HDS2062M-N/HDS3102M-N)

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

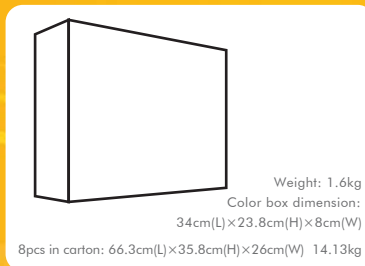


Package optional

Standard package(Metal case without soft bag)



Compact package(soft bag without metal case)



Performance characteristics



Model	HDS1022M-N	HDS2062M-N	HDS3102M-N HOT!
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±3pF		
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 \overline{f} , Delay A→B \overline{l}		
Waveform Math	+, -, ×, ÷, FFT		
Waveform storage	4 waveforms		
Lissajou's figure	Bandwidth	20MHz	60MHz
	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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