

HDS-N

New Change, New Space



NEW Handheld Digital Storage Oscilloscope

NEW FEATURE:

- Creative design of Silica gel key offer easy touching and friendly operation
- Creative design of separate shortcut key simplified operation steps
- Autoscale
- Support Alternate Trigger
- Waveform Record & Replay(HDS2062M-N, HDS3102M-N)
- USB Flash Disk Storage
- Complete Video Trigger

- 2 in 1 (DSO+Multimeter)
- Bandwidth:20MHz-100MHz, Sample Rate: 100MS/s-500MS/s
- Support USB for data transmission
- Replaceable li-ion battery back up
- 20 Automatic Measurements

Application:

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

Accessories

The receipt of accessories should be taken as final

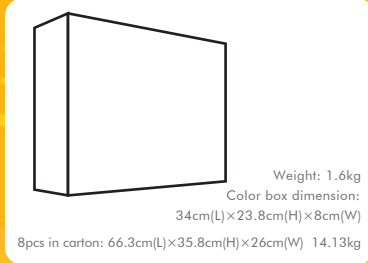


Package optional

Standard package(Metal case without soft bag)



Compact package(Metal case without soft bag)



Performance characteristics



Model	HDS1022M-N	HDS2062M-N	HDS3102M-N
Bandwidth	20MHz	60MHz	100MHz
Sample rate(real time)	100MS/s	250MS/s	500MS/s
Display	3.8 inch color display with TFT panel(640×480 pixels,65535 colors)		
Dimension	180mm(L)×113mm(H)×40mm(W)		
Weight	645g		

HDS-N Series

Handheld Digital Storage Oscilloscope



Performance characteristics

Model	HDS1022M-N	HDS2062M-N	HDS3102M-N
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		
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	±5%	±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 \int , Delay A→B \int		
Waveform Math	+, -, ×, ÷, Invert, 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: 400V, DC:400V
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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