

NEW!

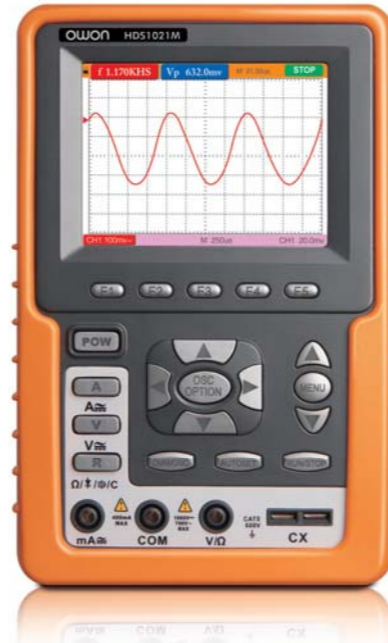
HDS1021M

1st global economic 2 in 1 handheld digital storage oscilloscope, second to none

Comply with the soul of "Meet your best need", OWON worked out a solution to kick out the cost bottleneck of handheld digital storage oscilloscope. This effort give the birth of HDS1021M and offer a good choice for enormous needs. HDS1021M reserve all the measurement function with 20MHz bandwidth at 100MS/s sample rate. Single channel minimizes the whole product energy consumption and shapes a friendly using environment. TFT true color display is a great challenge to all traditional low-cost handheld DSO with mono color display and optimize test condition. The combination of DSO and DMM highly improve test efficiency and convenience.

Main Features:

1. Autoscale
2. 20 Automatic Measurements
3. 2 in 1(DSO+Multimeter)
4. Bandwidth: 20MHz
5. Single channel
6. Support USB for data transmission
7. TFT true color display(65535 colors)
8. Replaceable li-ion battery back up (6 hours)



NEW!

HDS3102M-N

The milestone for 100MHz handheld digital storage oscilloscope Made-In-China

OWON handheld digital storage oscilloscope is highly applauded by users since the very beginning. We are seeking opportunities to serve higher levels needs. We note that the choice of 100MHz bandwidth handheld DSO is limited and launch a more customer-oriented item became our mission. The successful HDS3102M-N indicates that Chinese manufacturer breakthrough the core technique of 100MHz handheld DSO, and surpass the integration technique as well. It will bring new value experiences for all users. These value experiences naturally will result in the change of the current supply and demand pattern.

Main Features:

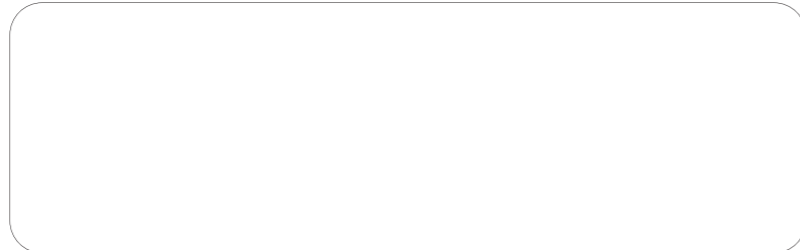
1. Autoscale
2. 20 Automatic Measurements
3. 2 in 1(DSO+Multimeter)
4. Bandwidth: 100MHz
5. Support USB for data transmission
6. Replaceable li-ion battery back up (6 hours)
7. USB Flash Disk Storage
8. Waveform Record & Replay
9. FFT



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SUPREME SCOPEMETER

HDS-N Series New Handheld Series Digital Storage Oscilloscope



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

Main Features:

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

Dimension: 180mm(L)×113mm(H)×40mm(W)
Weight: 580g



Performance characteristics

Model	HDS1022M-N	HDS2062M-N	HDS3102M-N NEW!
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
Display	3.8 inch color display with TFT panel(640×480 pixels, 65535 colors)		
Channels	Dual		
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		
Input coupling	DC, AC, GND		
Acquisition modes	Sample, Peak Detect and Average		
Vertical resolution (A/D)	8 bit (2 channels simultaneously)		
Vertical sensitivity	5mV/div~5V/div(at input)		
DC gain accuracy	±5%		±3%

Performance characteristics

Model	HDS1022M-N	HDS2062M-N	HDS3102M-N NEW!
DC accuracy(Average)	Average> 16:±(5% reading+0.05div) for ΔV		
Trigger type	Edge, Video, Alternate		
Trigger mode	Auto, Normal, Single		
Trigger level	±6 divisions from screen center		
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	+, -, ×, ÷, 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 ³ / ₄ digits (Max.4000-count)	Diode	0V-1.5V
Input Impedance	10MΩ	On/Off measurement	<50(±30) beeping
Capacitance	51.2nF-100uF:±(3%±3 digit)		
Voltage	VDC:400mV,4V, 400V: ±(1±1digit) Max.input:DC 400V, VAC:4V,40V,400V:±(1±3digit) Frequency:40Hz-400Hz, Max:input:AC 400V(virtual value)		
Current	DCA:40mA, 400mA:±(1.5%±1 digit) 20A:±(3%±3digit) DAA:40mA±(1.5%±3digit) 400mA:±(2±1 digit) 20A:±(3%±3digit)		
Impedance	400Ω:±(1%±3digit), 40Ω		

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

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.



CLASSIC SCOPEMETER

HDS Series Handheld Series Digital Storage Oscilloscope



Main Features:

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

Dimension: 180mm(L)×113mm(H)×40mm(W)
Weight: 570g



Performance characteristics

Model	HDS1021M NEW!	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		5ns/div~100s/div,step by 1~2~5
Rise time (at input, typical)	≤17.5ns		≤5.8ns
Channels	Single	Dual	
Display	3.8 inch color display with TFT panel(320×240 pixels)		
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		
Input coupling	DC, AC, GND	DC, AC	
Acquisition modes	Sample, Peak Detect and Average		
Vertical resolution (A/D)	8 bit		
Vertical sensitivity	5mV/div~5V/div(at input)		
DC gain accuracy	±3%	±5%	

Performance characteristics

Model	HDS1021M NEW!	HDS1022M	HDS2062M
DC accuracy(Average)	Average>16:±(3% reading+0.05div) for ΔV		Average>16:±(5% reading+0.05div) for ΔV
Trigger type	Edge, Video		
Trigger mode	Auto, Normal, Single		
Trigger level	±6 divisions from screen center		
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	Unavailable	+, -, ×, ÷, Invert	
Waveform storage	4 waveforms		
Lissajou's figure	Bandwidth	Unavailable	20MHz
	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 ³ / ₄ digits (Max.4000-count)	Diode	0V-1.5V
Input Impedance	10MΩ	On/Off measurement	<50(±30) beeping
Capacitance	51.2nF-100uF:±(3%±3 digit)		
Voltage	VDC:400mV,4V, 400V: ±(1±1digit) Max.input:DC 400V, VAC:4V,40V,400V:±(1±3digit) Frequency:40Hz-400Hz, Max:input:AC 400V(virtual value)		
Current	DCA:40mA, 400mA:±(1.5%±1 digit) 20A:±(3%±3digit) DAA:40mA±(1.5%±3digit) 400mA:±(2±1 digit) 20A:±(3%±3digit)		
Impedance	400Ω:±(1%±3digit), 40Ω		

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