



20 MHz HANDHELD SCOPEMETER

Australia's most popular handheld Oscilloscope!



NEW!

Main Features:

1. Combined Digital Storage Oscilloscope & Multimeter
2. One touch set up - convenient and saves time
3. 20 MHz Bandwidth - Single channel
4. Weighs just 445 Grams!
5. LCD display can be viewed in full sun or complete darkness!
6. USB port - data transfer to PC
7. Rechargeable li-ion battery - Australian 240V charger supplied
8. 1 year limited warranty - 7 day DOA replacement guarantee
9. Excellent value for money

Oscilloscope Performance Characteristics



Model	HDS1021M
Bandwidth	20MHz
Sample rate(Real time)	100MS/s
Horizontal Scale(S/div)	5ns/div~100s/div,step by 1~2.5~5
Rise time (at input, typical)	≤17.5ns
Channels	One channel
Display	3.5"color display with TFT panel - 320 X 240 pixels
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
Input coupling	DC, AC, GND
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%



Performance characteristics - continued

Model	HDS1021M	
DC accuracy(Average)	Average > 16: ±(3% 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	
Waveform math	Unavailable	
Waveform storage	4 waveforms	
Lissajou's figure	Bandwidth	Unavailable
	Phase difference	Unavailable
Communication interface	USB to PC (Windows based software supplied)	
Dimensions	180mm (L) x 115mm (W) x 40mm (40) - Weight 445 grams!	
Power supply	240V AC, 50Hz - for use in Australia/New Zealand only	
Li-ion battery	7.4V, 6 hours operation	

Multimeter Specifications

Full scale reading	3 $\frac{3}{4}$ digits (Max.4000-count)	Diode	0V-1.5V
Input Impedance	10MΩ	On/Off measurement	<50(±30) beeping
Capacitance	51.2nF-100uF: ±(3%±3 digits)		
Voltage	VDC:400mV,4V, 400V: ±(1±1digits) Max.input:DC 1000V, VAC:4V,40V,400V: ±(1±3digits) Frequency: 40Hz-400Hz, Max:input: AC 750V (virtual value)		
Current	DCA:40mA, 400mA: ±(1.5%±1 digits) 10A: ±(3%±3digits) DAA:40mA±(1.5%±3digits) 400mA: ±(2±1digits) 10A: ±(3%±3digits)		
Impedance	400Ω: ±(1%±3digits), 40Ω		

OWON continues to improve products and reserves the rights to change specifications without advance notice.

Applications

Field service & repairs
Educational Institutions

Design and manufacture
Automotive Electrical/Electronics

Biomedical Engineering
Radio/TV Servicing

Supplied Accessories



1 Probe



Multimeter lead



Australia/NZ charger



USB cable



Current extender



CD-Rom



Small capacitance module



Probe adjust



Manual



Soft carry bag