



#### Main feature

- Bandwidth : 60MHz - 300MHz with dual-channel
- Sample rate : 500MS/s - 3.2GS/s
- 10M record length for each channel
- Smart design with easy portability
- Large 8 inch 800 x 600 pixels LCD
- LAN remote control
- Multi-function : auto-scale, Pass / Fail, current-measuring, and digital filtering
- SCPI, and LabVIEW supported
- Optional BATTERY available

Specification	
Bandwidth	100MHz
Sample Rate	1GS/s
Horizontal Scale (s/div)	2ns/div~100s/div, step by 1~2~5
Display	8"color LCD, 800 x 600 pixels
Channel	2 + 1 (external)
Record Length	10M
Input Coupling	DC, AC, and GND
Input Impedance	1MΩ ± 2%, in parallel with 15pF ± 5pF
Channel Isolation	50MHz : 100 : 1, 10MHz : 40 : 1
Max Input Voltage	400V (DC + AC Peak)
DC Gain Accuracy	±3%
DC Accuracy	average≥16 : ±(3% reading + 0.05 div) for ΔV
Probe Attenuation Factor	1X, 10X, 100X, 1000X
LF Respond (AC, -3dB)	≥10Hz (at input, AC coupling, -3dB)
Sampling Rate / Relay Time Accuracy	±100ppm
Interpolation	sin (x) / x
Interval (ΔT) Accuracy (full bandwidth)	Single:±(1 interval time + 100ppm × reading + 0.6ns); Average>16 : ±(1 interval time + 100ppm × reading + 0.4ns)
Vertical Resolution (A/D)	8 bits (2 channels simultaneously)
Vertical Sensitivity	2mV/div~10V/div
Trigger Type	Edge, Pulse, Video, Slope, and Alternate
Trigger Mode	Auto, Normal, and Single
Trigger Level	±6 divisions from screen center
Acquisition modes	Sample, Peak Detect, and Average
Line / Field Frequency (video)	NTSC, PAL and SECAM standard
Cursor Measurement	ΔV, and ΔT between cursors
Automatic Measurement	Vpp, Vavg, Vrms, Freq, Period, Vmax, Vmin, Vtop, Vbase, Overshoot, Preshoot, Rise Time, Fall Time, Delay A→B, Delay A←B, +Width, -Width, +Duty, -Duty
Waveform Math	+, -, ×, ÷, invert, FFT

Note: Specifications are subject to change.

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Order Code - DSO-7102  
Digital Storage Oscilloscope 100 Mhz., 2 CH, VGA,  
Coloured LCD 8 “, 1GS/s, USB+Software

Waveform Storage	15 waveforms	
Lissajous Figure	Bandwidth Phase Difference	full bandwidth ±3 degrees
Communication Interface	USB host, USB device, Pass / Fail, LAN, VGA (optional), or RS232 (optional)	
Cymometer	available	
Power Supply	100V - 240V AC, 50/60Hz, CAT II	
Power Consumption	< 24W	
Fuse	2A, T class, 250V	
Battery (optional)	7.4V, 8000mA	
Dimension	(W × H × D) 340 × 155 × 70 (mm)	
Weight (without package)	1.80 kg	

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