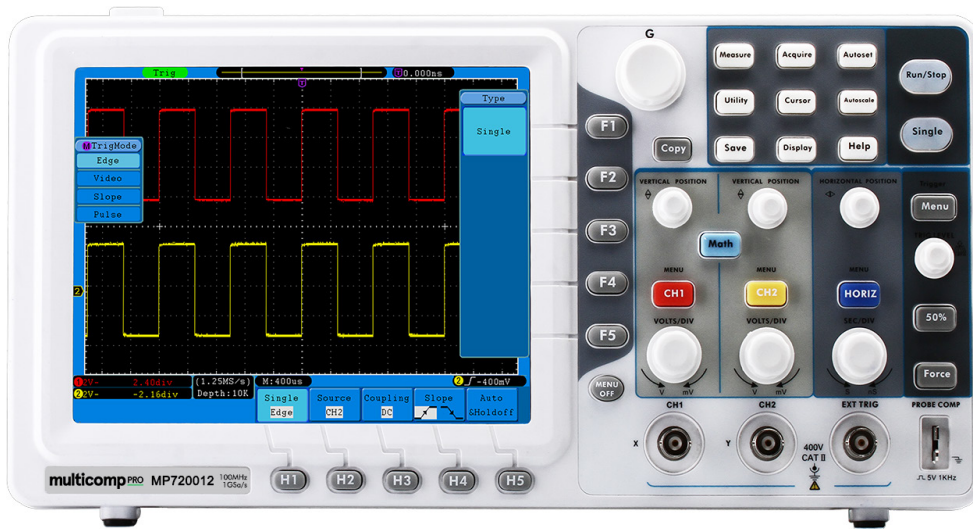


Dual Channel Digital Storage Oscilloscope **multicomp** PRO



Features

- Bandwidth : 100MHz
- Sample rate : 1GS/s
- Ultra-thin body
- 8" high resolution LCD Display
- Pass / Fail function
- SCPI, and LabVIEW supported
- Newly added function - digital filtering, and current measurement

Oscilloscope Specifications

Bandwidth	100MHz
Sample Rate (real time)	1GS/s
Horizontal Scale (s/div)	2ns/div ~ 100s/div, step by 1~2~5
Rise Time (at input, typical)	≤3.5ns
Channel	2 + 1 (external)
Display	8" colour LCD, 800 × 600 pixels
Input Impedance	1MΩ ± 2%, in parallel with 15pF±3pF
Channel Isolation	50Hz : 100 : 1, 10MHz : 40 : 1
Max Input Voltage	400V (PK - PK) (DC+AC, PK - PK)
DC Gain Accuracy	±3%
Record Length	1M (optional 10M)
DC Accuracy (average)	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)
Sample Rate / Relay Time Accuracy	±100ppm
Interpolation	sin (x) / x

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Dual Channel Digital Storage Oscilloscope **multicomp** PRO

Interval (ΔT) Accuracy (full bandwidth)	Single : $\pm(1 \text{ interval time} + 100\text{ppm} \times \text{reading} + 0.6\text{ns})$, Average >16 : $\pm(1 \text{ interval time} + 100\text{ppm} \times \text{reading} + 0.4\text{ns})$	
Input Coupling	DC, AC , and GND	
Vertical Resolution (A/D)	8 bits (2 Channels simultaneously)	
Vertical Sensitivity	2mV/div ~ 10V/div (at input)	
Digital Filtering	low-pass, high-pass, band-pass, and band-reject	
Trigger Type	Edge, Pulse, Video, Slope, and Alternate	
Trigger Mode	Auto, Normal, and Single	
Trigger Level	± 6 divisions from screen centre	
Line / Field Frequency (video)	NTSC, PAL, and SECAM standard	
Cursor Measurement	ΔV , and ΔT between cursors	
Automatic Measurement	Vpp, Vavg, RMS, Frequency, Period, Vmax, Vmin, Vtop, Vbase, Width, Over-shoot, Pre-shoot, Rise time, Fall time, +Width, -Width, +Duty, -Duty, Delay A→B ↕ , Delay A→B ↕	
Waveform Math	+, -, ×, ÷, invert, FFT	
Waveform Storage	15 waveforms	
Lissajous Figure	Bandwidth	Full bandwidth
	Phase Difference	± 3 degrees
Communication Interface	USB host, USB device, Pass / Fail, LAN, and VGA (optional)	
Cymometer	Available	
Power Consumption	<18W	
Fuse	2A, T class, 250V	
Battery	Not supported	
Dimension (W×H×D)	348mm × 170mm × 78mm	
Weight (without package)	1.5 kg	
Power Supply	100V AC to 240V AC, 50/60Hz, CAT II	
Power Cord Plug Type	US	
Standard Accessories Included	Power cord, USB cable, CD-Rom.Manual, Probes, Probe Adjust Tool	
Optional Accessories	Soft bag	
Warranty	12 months	

Part Number Table

Description	Part Number
Dual Channel Digital Storage Oscilloscope, 100MHz	MP720012 US

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