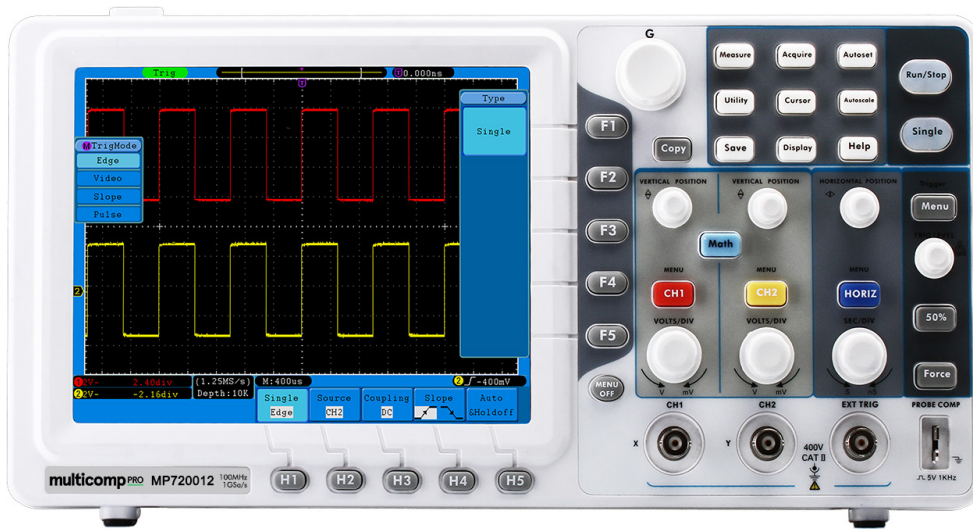# Dual Channel Digital Storage Oscilloscope

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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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Interval (∆T) Accuracy (full bandwidth)		Single : ±(1 interval time + 100ppm × reading + 0.6ns), Average>16 : ±(1 interval time + 100ppm × reading + 0.4ns)
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		∆V, and ∆T 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		UK / EU
Standard Accessories Included		Power cord, USB cable, CD-Rom.Manual, Probes, Probe Adjust Tool
Optional Accessories		Soft bag
Warranty		03 years

Part Number Table

Description	Part Number
Dual Channel Digital Storage Oscilloscope, 100MHz	MP720012 EU-UK

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