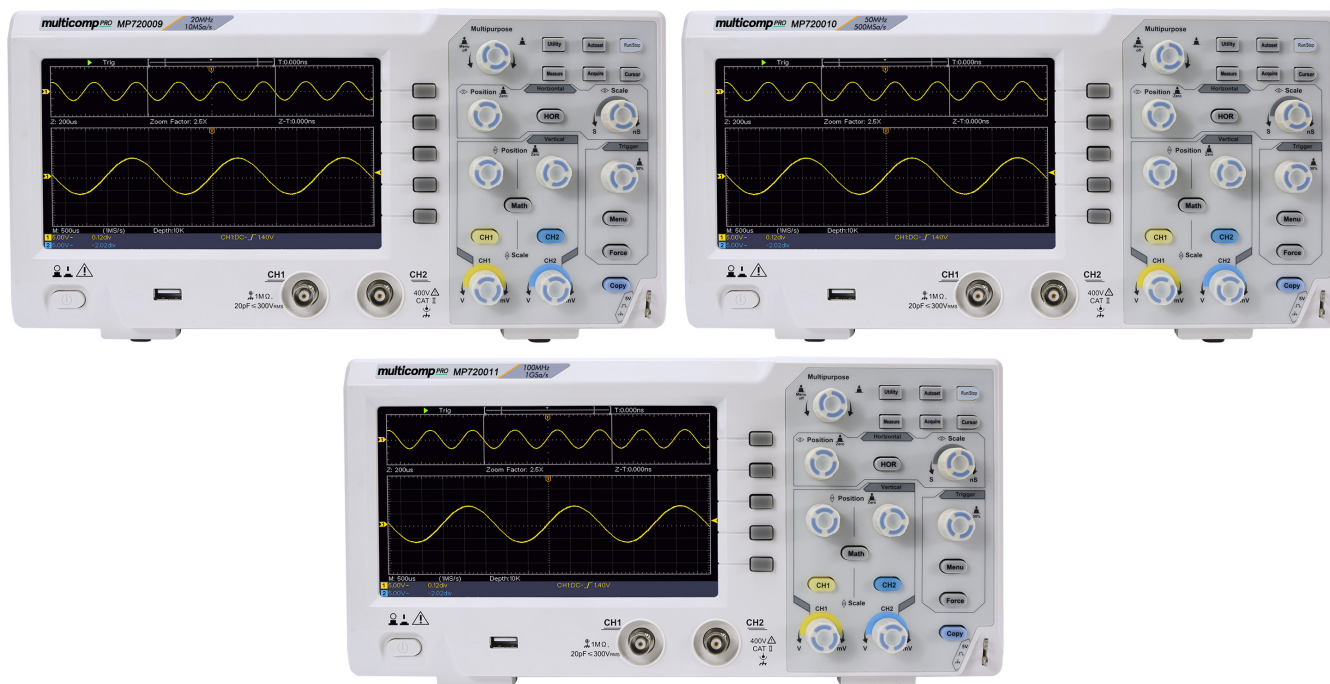


Dual Channel Digital Storage Oscilloscope

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Features

- Bandwidth : 20MHz - 100MHz
- 2-Channels
- Sample rate : 100MS/s - 1GS/s
- Ultra-thin body
- 7 inch high resolution LCD
- SCPI, and LabVIEW supported

Performance Specifications

Parameters	MP720009 EU-UK	MP720010 EU-UK	MP720011 EU-UK
Bandwidth	20MHz	50MHz	100MHz
Sample Rate	100MS/s	500MS/s	1GS/s
Horizontal Scale (s/div)	5ns/div - 1000s/div, step by 1 - 2 - 5	2ns/div - 1000s/div, step by 1 - 2 - 5	
Rise Time (at input, typical)	≤17.5ns	≤7ns	≤3.5ns
Channels	2		
Display	7" colour LCD, 800 × 480 pixels		
Input Impedance	1MΩ ±2%, in parallel with 20pF ±5pF		
Channel Isolation	50Hz : 100 : 1, 10MHz : 40 : 1		
Max Input Voltage	400V (PK - PK) (DC+AC, PK - PK)		
DC Gain Accuracy	±3%		
Record Length	10K		
DC Accuracy (average)	Average≥16: ±(3% reading + 0.05 div) for ΔV		
Probe Attenuation Factor	1X, 10X, 100X, 1000X		

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Parameters		MP720009 EU-UK	MP720010 EU-UK	MP720011 EU-UK
LF Respond (AC, -3dB)		$\geq 10\text{Hz}$ (at input, AC coupling, -3dB)		
Sample Rate / Relay Time Accuracy		$\pm 100\text{ppm}$		
Interpolation		$\sin(x)/x$		
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		5mV/div - 5V/div (at input)		
Trigger Type		Edge, Video		
Trigger Mode		Auto, Normal, and Single		
Trigger Level		± 5 divisions from screen center		
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, Overshoot, Pre-shoot, Rise time, Fall time, +Width, -Width, +Duty, -Duty, Delay A→B, Delay A→B, area, cycle area		
Waveform Math		+, -, x, ÷, invert, FFT		
Waveform Storage		16 waveforms		
Lissajous Figure	Bandwidth	Full bandwidth		
	Phase Difference	± 3 degrees		
Communication Interface		USB host, USB device		
Frequency Counter		Available		
Power Consumption		<15W		
Fuse		2A, T class, 250V		
Dimension (W × H × D)		301mm × 152mm × 70mm		
Device Weight		1.1kg		
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		12 months		

Part Number Table

Description	Part Number
Dual Channel Digital Storage Oscilloscope, 20MHz	MP720009 EU-UK
Dual Channel Digital Storage Oscilloscope, 50MHz	MP720010 EU-UK
Dual Channel Digital Storage Oscilloscope, 100MHz	MP720011 EU-UK

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