Dual Channel
PC Based Oscilloscope

multicompPRO

Features

- Up to 100MHz bandwidth, and max. 1GS/s real-time sample rate
- 2 Channels
- Max 10M record length
- Friendly UI : FFT, or X-Y, and waveform 2 views displayed on the same screen
- Multi-trigger option: edge, video, slope, pulse, and alternate
- USB isolation - less signal interference, more PC protection
- USB bus powering, and LAN remote control (optional)
- Ultra-thin body design, easy portability
- SCPI supported
- LabVIEW supported (only in MP720019 US)

Oscilloscope Specifications

Parameters	MP720017 US	MP720016 US	MP720018 US	MP720019 US
Bandwidth	25MHz		60MHz	100MHz
Channel	2 Analogue, 1 Ext Trigger			
Sample Rate	100MSa/s		1GSa/s	
Horizontal Scale (s/div)	5ns/div ~ 100s/div, step by 1~2~5			2ns/div ~ 100s/div, step by 1~2~5
Rise Time	≤14 ns		≤5.8 ns	≤3.5 ns
Record Length	5K		10M	
Input Coupling	DC, AC, GND			
Input Impedance	1MΩ±2%, in parallel with10pF ±5pF			
Channels Isolation	50Hz : 100 : 1, 10MHz : 40 : 1			
Max Input Voltage	400V (PK - PK) (DC+AC, PK - PK)	40V (PK - PK) (DC+AC, PK - PK)		
DC Gain Accuracy	±3%			
DC Accuracy	Average≥16: ±(3% reading + 0.05div) for ∆T			
Probe Attenuation Factor	1X, 10X, 100X, 1000X			
LF Respond (AC, -3dB)	≥5Hz (at input, AC coupling, -3dB)			
Sampling Rate / Relay Time Accuracy	150ps			
Interpolation	sin(x) / x			

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Parameters		MP720017 US	MP720016 US	MP720018 US	MP720019 US
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		5mV/div ~ 5V/div			
Trigger Type		Edge, Pulse, Video, Slope, and Alternate			
Trigger Mode		Auto, Normal, and Single			
Trigger Level		±5 divisions from screen center			
Acquisition Mode		Sample, Peak Detect, and Average			
Line / Field Frequency (video)		NTSC, PAL, and SECAM standard			
Cursor Measurement		ΔV, and ΔT between cursors			
Automatic Measurement		Vpp, Vmax, Vmin, Vtop, Vbase, Vamp, Vavg, Vrms, Overshoot, Preshoot, Freq, Period, Rise Time, Fall Time, Delay A→B ⌐, Delay A→B ⌐, +Width, -Width, +Duty, -Duty			
Waveform Math		+, -, ×, ÷, invert, FFT			
Lissajous Figure	Bandwidth	Full bandwidth			
	Phase Difference	±3 degrees			
Communication Interface		USB 2.0 (isolation)	USB 2.0	USB 2.0, LAN (optional)	
Multi-function Interface	Signal Type	Synchronized input / output, Pass / Fail , external trigger input			
	Level Standard	TTL			
Power Supply		5.0V/1A			
Power Consumption		≤1.5W		≤5W	
Dimensions (W × H × D)		170mm × 120mm × 18mm		190mm × 120mm × 18mm	
Device Weight		0.26 kg			0.3 kg
Standard Accessories Included		USB Cable, CD-Rom. Manual, Probes, Probe Adjust Tool			
Optional Accessories		Soft bag			
Warranty		12 months			

Part Number Table

Description	Part Number
Dual Channel PC Based Oscilloscope, 25MHz	MP720016 US
Dual Channel PC Based Oscilloscope, 25MHz	MP720017 US
Dual Channel PC Based Oscilloscope, 60MHz	MP720018 US
Dual Channel PC Based Oscilloscope, 100MHz	MP720019 US

Newark.com/exclusive-brands
Farnell.com/exclusive-brands
Element14.com/exclusive-brands

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