

2 Channel PC Based Oscilloscopes with Signal Generator

multicomp PRO

**RoHS
Compliant**



Features

- Dual-channel, ultra-thin body design.
- 100MHz bandwidth and 1GS/s real-time sampling rate.
- Standard built-in 5MHz signal generator.
- 8-bit vertical resolution, more accurate measurement.
- Max. 10M record length.
- Friendly UI, X-Y and waveform can be displayed on the same screen.
- Standard SCPI protocol supported, LabVIEW supported.
- Secondary development supported on Windows, Linux, Android, and iOS platform.
- USB Type-C powered, faster data transmission, support 5-15V wide voltage power supply.

Technical Specifications

Bandwidth	100MHz	
Channel	2CH scope + 1CH function generator	
Sample Rate	1GS/s	
Rise Time	≤3.5 ns	
Horizontal Scale	2ns/div - 100s/div, step by 1 - 2 - 5	
Sampling Mode	Sample, Peak Detect, Average	
Record Length	10M	
Input Coupling	DC, AC, ground	
Input Impedance	1 MΩ ± 2%, in parallel with 15 pF ± 5 pF	
Vertical Sensitivity	2mV/div~5V/div	
Vertical Resolution (A/D)	8bits	
Max Input Voltage	40 V (DC + AC Peak)	
Probe Attenuation Factor	1X~10X~100X~1000X	
Channel Isolation	50Hz: 100 : 1, 10MHz: 40 : 1	
Interpolation	Sin(x)/x	
Vertical Range	±2 V (2 mV/div – 50 mV/div);	
	±20 V (100 mV/div – 500m V/div);	
	±40 V (1 V/div – 5 V/div)	
LF Respond (AC, -3dB)	≥10Hz (at input, AC coupling, -3dB)	
Trigger Type	Edge, Video, Slope, Pulse	
Line/Field Frequency (video)	Supported Standards: NTSC, PAL and SECAM Broadcast Systems	
Trigger Mode	Auto, Normal, Single	
Lissajous Figure	Bandwidth	Full Bandwidth
	Phase Difference	±3 degrees
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	
Communication Interface	USB Device (type-C), USB host, LAN	

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Power Consumption	≤8W
Dimensions (W × H × D)	190mm×120mm×18mm
Device Weight	≈0.38 kg

Function Generator Part	
Standard Waveforms	Sine (0.1 Hz - 5 MHz), Square (0.1 Hz-200 kHz), Ramp (1 Hz-10 kHz), Pulse (1 Hz-10 kHz)
Frequency Output	5 MHz
Sampling Rate	25 MS/s
Channel	1
Vertical Resolution	10bits
Amplitude Range	10mVpp - 5Vpp
DC Offset Range (AC+DC)	±2.5V
DC Offset Range (AC+DC)	±2.5V
Output Impedance	50 Ω (typical)

General Part	
Communication Interface	USB device (type-C), USB host, LAN
Power Source	5 - 15 VDC / 1.2A
Power Consumption	≤ 8 W
Device Dimension	w/h/d 190 x 120 x 18 mm
Weight	0.38 kg

Accessories Included : 2 x Passive Probe, Type-C Cable, Quick Guide, AC-DC Adapter with US or EU/UK Power Cord, BNC/Q9 Cable And CD

Standard Warranty : 12 Months

Part Number Table

Description	Part Number
PC Based Oscilloscope, 2 Channel, 8-Bits, 100MHz, 1GS/s	MP720646 US
PC Based Oscilloscope, 2 Channel, 8-Bits, 100MHz, 1GS/s	MP720646 EU-UK

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