

2 Channel PC Based Oscilloscope with Signal Generator

multicomp PRO

**RoHS
Compliant**



Features

- Dual-channel, ultra-thin body design.
- 100MHz bandwidth, and 1GSa/s real-time sampling rate.
- Standard built-in 5MHz signal generator.
- 8-bit, 12-bit, 14-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.
- WiFi wireless transmission, more convenient to use. (Need to choose Wi-Fi accessories)

Technical Specifications for PC Oscilloscope

| | | |
|------------------------------|---|----------------|
| Bandwidth | 100MHz | |
| Channel | 2CH scope + 1CH FG | |
| Sample Rate | 500 MS/s | |
| Rise Time | ≤3.5 ns | |
| Horizontal Scale | 5ns/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) | ≥5Hz (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 (Wi-Fi extension supported), 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 | 25M Sa/s |
| Channel | 1 |
| Vertical Resolution | 10bits |
| Amplitude Range | 10mVpp - 5Vpp |
| DC Offset Range (AC+DC) | ±2.5V |
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| Output Impedance | 50 Ω (typical) |

| General Part | |
|-------------------------|--|
| Communication Interface | USB device (type-C), USB host (Wi-Fi extension supported), LAN |
| Wi-Fi Module | available in option |
| 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 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, 500 MS/s | MP720646 US |

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