



Features

- 12-bit high resolution ADC, restoring the waveform detail fully
- 20M record length, and 55,000 wfms/s waveform refresh rate
- Low background noise, vertical sensitivity in 1 mV/div - 10 V/div
- Multi-trigger, and bus decoding function
- SCPI, and LabVIEW supported
- Ultra-thin body-design, less space accommodation
- Multi-interface integration - USB host, USB device, USB port for PictBridge, LAN, AUX, and more
- VGA port - better solution for video expansion, and teaching demonstration
- 8" 800 × 600 high resolution LCD Display

Oscilloscope Specifications

| | |
|-----------------------------------|--|
| Bandwidth | 100MHz |
| Sample Rate | 1GS/s (8 bits) 500MS/s (12 bits) |
| Vertical Resolution (A/D) | 12 bits |
| Record length | 20M |
| Waveform Refresh Rate | 55,000 wfms/s |
| Horizontal Scale (s/div) | 2ns/div - 1000s/div, step by 1~2~5 |
| Rise Time (at input, typical) | ≤3.5ns |
| Channel | 2 + 1 Ext Trigger |
| Display | 8" colour LCD, 800 × 600 pixels |
| Input Impedance | 1MΩ ± 2%, in parallel with 15pF ±5pF |
| Channel Isolation | 50Hz : 100 : 1, 10MHz : 40 : 1 |
| Max Input Voltage | 1MΩ ≤ 300Vrms |
| DC Accuracy | Average ≥16: ±(3% reading + 0.05 div) for ΔV |
| Probe Attenuation Factor | 0.001X - 1000X, step by 1 - 2 - 5 |
| LF Respond (AC, -3dB) | ≥10Hz (at input, AC coupling, -3dB) |
| Sample Rate / Relay Time Accuracy | ±1 ppm (TYP, Ta=+25°C) |

Newark.com/multicomp-pro
 Farnell.com/multicomp-pro
 sg.element14.com/b/multicomp-pro

Dual Channel Digital Storage Oscilloscope **multicomp** PRO

| | | |
|---|--|-----------------|
| Interpolation | sin(x) / x | |
| Interval (ΔT) Accuracy (full bandwidth) | Single: $\pm(1 \text{ interval time} + 1 \text{ ppm} \times \text{reading} + 0.6 \text{ ns})$; Average > 16: $\pm(1 \text{ interval time} + 1 \text{ ppm} \times \text{reading} + 0.4 \text{ ns})$ | |
| Input Coupling | DC, AC, and GND | |
| Vertical Sensitivity | 1mV/div - 10V/div (at input) | |
| Trigger Type | Edge, Video, Pulse, Slope, Runt, Windows, Timeout, Nth Edge, Logic, I2C, SPI, RS232 and CAN | |
| Bus Decoding | I ² C, SPI, RS232, and CAN | |
| Trigger Mode | Auto, Normal, and Single | |
| Vertical Range | $\pm 2\text{V}$ (1mv/div - 50mv/div), $\pm 20\text{V}$ (100mv/div - 1V/div), $\pm 200\text{V}$ (2V/div - 10V/div) | |
| Line / Field Frequency (video) | NTSC, PAL and SECAM standard | |
| Cursor Measurement | ΔV , and ΔT between cursors, ΔV and ΔT between cursors, and auto- cursors | |
| Automatic Measurement | Vpp, Vavg, Vrms, Freq, Period, Week RMS, Cursor RMS, Vmax, Vmin, Vtop, Vbase, Vamp, Overshoot, Phase, Preshoot, Rise Time, Fall Time, +Width, -Width, +Duty, -Duty, Duty Cycle, Delay A→B ↑, Delay A→B ↓, +Pulse Count, -Pulse Count, Rise Edge Count, Fall Edge Count | |
| Waveform Math | +, -, ×, ÷, FFT, FFTrms, Intg, Diff, Sqrt, User Defined Function, digital filter (low pass, high pass, band pass, band reject) | |
| Waveform Storage | 50 waveforms | |
| Lissajou's Figure | Bandwidth | Full bandwidth |
| | Phase Difference | ± 3 degrees |
| Communication Interface | USB host, USB device, USB port for PictBridge, Trig Out (P/F), LAN, and VGA (optional) | |
| Frequency Counter | Available | |
| Power Supply | 100V AC to 240V AC, 50/60Hz, CAT II | |
| Power Consumption | <15W | |
| Fuse | 2A, T class, 250V | |
| Dimension (W × H × D) | 340mm × 177mm × 90mm | |
| Weight | 2.4kg | |
| Standard Accessories Included | Power cord, USB cable, CD-Rom.Manual, Probes, Probe Adjust Tool | |
| Optional Accessories | Soft bag | |
| Power Cord Plug Type | UK / EU | |
| Warranty | 03 years | |

Part Number Table

| Description | Part Number |
|---|----------------|
| Dual Channel Digital Storage Oscilloscope, 100MHz | MP720024 EU-UK |

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro

multicomp PRO