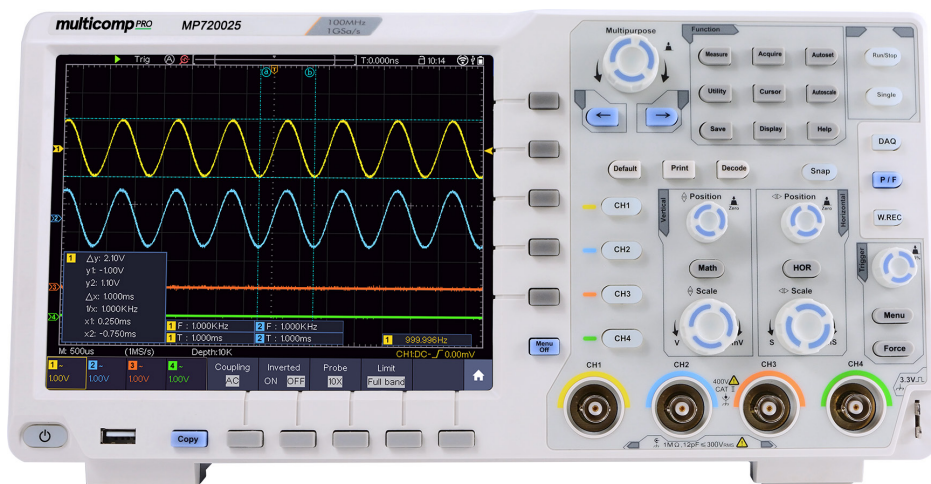


4 Channel Digital Storage Oscilloscope

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Features

- 100MHz Bandwidth, 1GS/s sample rate
- 40M record length 45,000 wfms/s waveform refresh rate
- Low back ground noise
- 8" 800 × 600 high resolution LCD Display, optional multi-touch screen, more user-friendly operation experience
- SCPI and LabVIEW supported
- Multi- trigger, and bus decoding function
- Multi-interface integration - USB host, USB device, USB port for PictBridge, LAN, AUX, and VGA

Oscilloscope Specifications

Bandwidth	100MHz
Sample Rate	1GS/s
Vertical Resolution (A/D))	8 bits
Record length	40M
Waveform Refresh Rate	45,000 wfms/s
Horizontal Scale (s/div))	2ns/div - 1000s/div, step by 1 - 2 - 5
Rise Time (at input, typical)	≤3.5ns
Channels	4
Display	8" colour LCD, 800 x 600 pixels display
Input Impedance	1MΩ ± 2%, in parallel with 15pF ± 5pF
Channel Isolation	50Hz : 100 : 1, 10MHz : 40 : 1
Max Input Voltage	1MΩ ≤ 300Vrms;
DC Gain Accuracy	±3%
DC Accuracy	Average≥16: ±(3% +0.05div) for ΔV
Probe Attenuation Factor	0.001X - 1000X, step by 1 - 2 - 5
LF Respond (AC, -3dB)	≥5Hz
Sample Rate / Relay Time Accuracy	±2.5ppm

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4 Channel Digital Storage Oscilloscope

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Interpolation	(sinx) / 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, 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 (optional)
Bus Decoding (optional)	I2C, SPI, RS232, CAN
Trigger Mode	Auto, Normal and Single
Vertical Range	$\pm 2 \text{ V}(1 \text{ mV/div} \sim 50 \text{ mV/div})$; $\pm 20 \text{ V}(100 \text{ mV/div} \sim 1 \text{ V/div})$; $\pm 200 \text{ V}(2 \text{ V/div} \sim 10 \text{ V/div})$
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 A→B ↑, Phase A→B ↓, 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 Edges Count, Area, Cycle Area
Waveform Math	+, -, ×, ÷, FFT
Waveform Storage	100 waveforms
Lissajou's Figure	Full bandwidth
	± 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
Fuse	2A, T class, 250V
Battery (optional)	3.7V, 13200mA
Dimension (W × H × D)	340mm × 177mm × 90mm
Standard Accessories Included	Power cord, USB cable, CD-Rom.Manual, Probes, Probe Adjust Tool
Optional Accessories	Soft bag & Battery
Power Cord Plug Type	UK / EU
Warranty	12 months

Multimeter Specifications (Optional)

Full Scale Reading	3-3/4 digits (max 4000 count)
Input Impedance	10M Ω
Capacitance	51.2nF - 100 μ F: $\pm(3\% \pm 3 \text{ digits})$
Voltage	DCV: 400mV, 4V, 400V: $\pm(1 \pm 1 \text{ digit})$; max input: DC 1000V ACV: 4V, 40V, 400V: $\pm(1 \pm 3 \text{ digits})$; frequency: 40Hz - 400Hz Max input: AC 750V (virtual value)
Current	DCA: 40mA, 400mA: $\pm(1.5\% \pm 1 \text{ digit})$; 10A: $\pm(3\% \pm 3 \text{ digits})$ ACA: 40mA: $\pm(1.5\% \pm 3 \text{ digits})$, 400mA: $\pm(2\% \pm 1 \text{ digit})$, 10A: $\pm(3\% \pm 3 \text{ digits})$

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4 Channel Digital Storage Oscilloscope

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Impedance	400Ω: $\pm(1\% \pm 3 \text{ digits})$, 4KΩ - 40MΩ: $\pm(1\% \pm 1 \text{ digit})$
Diode	0V - 1.5V
Continuity Test	<50 (± 30) beeping

Arb Waveform Generator Specifications (Optional)

Max Frequency Output	25MHz
Sample Rate	125MS/s
Channel	2 channel (only apply to XDS3064E, XDS3104E)
Vertical Resolution	14 bits
Amplitude Range	2mVpp - 6Vpp
Waveform Length	8K
Standard Waveform	Sine, Square, Pulse, Ramp
Arbitrary Waveform	Exponential Rise, Exponential Fall, Sin(x)/x, Step Wave, Noise, and others, total 46 built-in waveforms, and user-defined arbitrary waveform

Optional Module / Function

VGA	VGA+AV port
WIF	Wifi
AWG	arb waveform generator
DMM	Digital multimeter
MTS	Touch screen(capacitor-type)

Optional Decoding Kit

RS232	RS232
SPI	SPI
I ² C	I ² C
CAN	CAN

Part Number Table

Description	Part Number
4 Channel Digital Storage Oscilloscope, 100MHz	MP720025 EU-UK

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