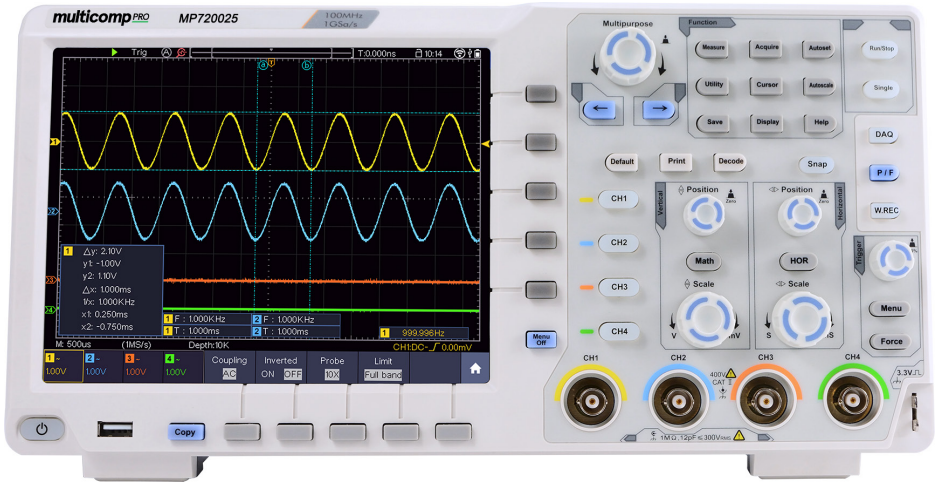
4 Channel Digital Storage Oscilloscope



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

Interpolation		(sinx) / x,x
Interval (ΔT) Accuracy (full bandwidth)		Single: ±(1 interval time + 1ppm x reading + 0.6ns); Average > 16: ±(1 interval time + 1ppm x reading + 0.4ns)
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)		I^2C, SPI, RS232, CAN
Trigger Mode		Auto, Normal and Single
Vertical Range		±2V(1mV/div~50mV/div); ±20V(100mV/div~1V/div); ±200V(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 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	Full bandwidth
	±3 degrees	±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		US
Warranty		12 months

Multimeter Specifications (Optional)

Full Scale Reading	3-3/4 digits (max 4000 count)
Input Impedance	10MΩ
Capacitance	51.2nF - 100μF: ±(3% ± 3 digits)
Voltage	DCV: 400mV, 4V, 400V: ±(1 ± 1 digit); max input: DC 1000V ACV: 4V, 40V, 400V: ±(1 ± 3 digits); frequency: 40Hz - 400Hz Max input: AC 750V (virtual value)
Current	DCA: 40mA, 400mA: ±(1.5% ± 1 digit); 10A: ±(3% ± 3 digits) ACA: 40mA: ±(1.5% ± 3 digits), 400mA: ±(2% ± 1 digit), 10A: ±(3% ± 3 digits)

Impedance	400Ω: ±(1% ±3 digits), 4KΩ - 40MΩ: ±(1% ±1 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^2C	I^2C
CAN	CAN

Part Number Table

Description	Part Number
4 Channel Digital Storage Oscilloscope, 100MHz	MP720025 US