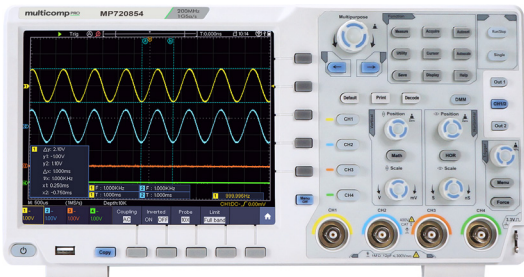# Touchscreen Digital Oscilloscope

multicomp PRO

RoHS Compliant

Features

- 200MHz Bandwidth, 1GS/s sample rate
- 40M record length max 70,000 wfms/s waveform refresh rate
- low back ground noise
- inch 800 × 600 high resolution LCD, 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

Performance Specifications

Model	MP720854
Bandwidth	200MHz
Sample Rate	1GS/s (500MS/s for each channels)
Vertical Resolution (A/D)	8 bits
Record length	40M
Waveform Refresh Rate	70,000 wfms/s
Horizontal Scale (s/div))	2ns/div - 1000s/div, step by 1 - 2 - 5
Rise Time (at input, typical)	≤1.7ns
Channel	4
Display	8" color LCD, 800 × 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 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	±2.5 ppm
Interpolation	(sinx) / x, x
Interval ($^\Delta$T) 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
Bus Decoding(optional)	I^{2}C, 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)

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Touchscreen Digital Oscilloscope

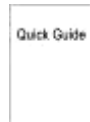|	
Line / Field Frequency (video)	NTSC, PAL and SECAM standard
Cursor Measurement	ΔV, and ΔT between cursors, ΔV and ΔT between cursors, and auto- cursors
Automatic Measurement	Vpp, Vavg, Vrms, Freq, Period, Week RMS, Cursor RMS, Vmax, Vmin, Vtop, Vbase, Vamp, Overshoot, Phase A→B ↑, Phase A→B↓, Preshoot, 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, FFTrms, Intg, Diff, Sqrt, User Defined Function, digital filter (low pass, high pass, band pass, band reject)
Waveform Storage	100 waveforms
Lissajou's Figure — full bandwidth	Full bandwidth
Lissajou's Figure — ±3 degrees	±3 degrees
Communication Interface	USB host, USB device, USB port for PictBridge, Trig Out (P/F), LAN, and VGA
Frequency Counter	available
Power Supply	100V - 240V AC, 50/60Hz, CAT II
Fuse	2A, T class, 250V
Battery (optional)	3.7V, 13200mA
Dimension (W × H × D)	340mm × 177mm × 90mm
Warranty	03 years

Accessories

The accessories subject to final delivery.

Power Cord

CD Rom

Manual

USB

Probe

Probe adjust

Part Number Table

Description	Part Number
Touchscreen Digital Oscilloscope, 200MHz, 4CH, 8/14 bit	MP720854

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

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