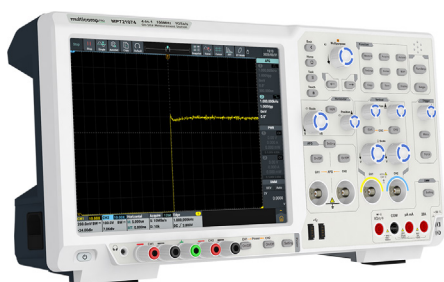# Multifunction Digital Oscilloscope   multicomp PRO

RoHS Compliant

Description

DSO+ AG+ Power supply + Multimeter 4-in-1 Supports edge trigger, slope, pulse width, window, under amplitude, interval, timeout, code type, Nth edge, video trigger, serial bus trigger etc. Supports FRA chart testing Android based, new experience, more possible Supports external HDMI display, mouse and keyboard, facilitating complex editing operations supports configuring multi-media equipment, such as camera, microphone, speaker and headphone jack, expand more teaching methods Rich interface: USB host x4, USB device, LAN, HDMI 10.4 inch capacitive touch HD display

Characteristics		Part Number	
		MP721074	MP721075
Bandwidth		100MHz	
Sample Rate		1GS/s	
Vertical Resolution (A/D)		Max 14bits	8bits
Channel		2	
Input impedance		1MΩ ± 2%, in parallel with 15pF ± 5pF	
Input coupling		DC, AC, and GND	
Record length		10M	
Waveform Refresh Rate		65,000 wfms/s	
Horizontal Scale (s/div)		2ns/div - 1000s/div, 1 - 2 - 5	
Max Input Voltage		1MΩ ≤ 300 Vrms;	
Vertical Sensitivity		1mV/div - 10V/div (at input)	
Probe attenuation coefficient		10uX-50kX,step by 1 – 2 - 5, support custom	
Cursor Measurement		ΔV, and ΔT between cursors, ΔV and ΔT between cursors, and auto- cursors	
Automatic Measurement		Period, Frequency, +Pulse Width, -Pulse Width, Rise Time, Fall Time, Screen Duty, +Duty Cycle, -Duty Cycle, PK-PK, RMS, Overshoot, Max, Min, Top, Cycle RMS, Base, Amplitude, Preshoot, +Pulse Count, -Pulse Count, Rise Edge Count, Fall Edge Count, Area, Cycle Area, Delay A→B ⌐, Delay A→B ⌐, Phase, FRR, FRF, FFR, FFF, LRR, LRF, LFR, LFF	
Waveform Math		+,-,*,/,Intg, Diff, Sqrt, Function operation(Lg/Ln/Exp/Abs/Sine/Cosine/Tan),User Defined Function, digital filter(low pass, high pass, band pass, band reject)FFT, FFTrms	
Waveform Storage		128MB,100 waveforms	
Lissajou's Figure	Bandwidth	Full Bandwidth	
	Phase Difference	±3 degrees	

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

multicomp PRO

Page <1>   27/09/24   V1.1

Multifunction Digital Oscilloscope **multicomp** PRO

Characteristics		Part Number	
		MP721074	**MP721075**
Trigger Type ‖		Edge, Video, Pulse, Slope, Runt, Windows, Timeout, Nth Edge, Logic, I2C, SPI, RS232, LIN and CAN	
Line / Field Frequency (video)		NTSC, PAL and SECAM standard	
Trigger Mode		Auto, Normal, and Single	
Interface		HDMI; USB device *1, USB Host *4; Trig Out(P/F); LAN; Earphone	
Frequency Counter		Available	
Display		10.4 inch (1024×768) touch LCD	
Warranty		03 years	
Power Specifications			
Channel		CH1/CH2	
Rated Output 0°C to 40°C	Max Voltage	0.1-15V	
	Max Current	0.1-3A	
	Max Power	15W	
Read back Resolution	Voltage	10mV	
	Current	10mA	
Multimeter Specification			

Full Scale Reading	4½ digits	Frequency Response	(40 - 1000) Hz
Auto Range	√	Ture rms	√
Measure	Voltage, Current, Capacitance, Resistance, Duty cycle, Continue, Diode test		

Waveform Generator Specification	
Max Frequency Output	50MHz
Sample Rate	300MS/s
Channel	2
Standard Waveforms	Sine wave, square wave, ramp wave, pulse wave, noise
Arbitrary Waveforms	exponential rise, exponential decline, Sin(x)/x, step wave, noise etc 28 build-in waveforms
Amplitude (High Resistance)	2mVpp - 10Vpp
Waveform Length	8K

Specifications subject to change without prior notice.

Part Number Table

Description	Part Number
Digital Oscilloscope, Multifunction, 2 Channel, 14 Bit	MP721074
Digital Oscilloscope, Multifunction, 2 Channel, 8 Bit	MP721075

multicomp PRO