

# Dual Channel Handheld Digital Storage Oscilloscopes **multicomp** PRO

**RoHS  
Compliant**



## Features

- Oscilloscope + multimeter + waveform generator, multi-function in one
- 3.5-inch high-resolution, high-contrast color LCD display
- USB Type-C interface, support power bank, support PC software connection
- Self-calibration function
- 18650 lithium battery, providing up to 6 hours working time suitable for outdoor

Model	MP720780	MP720782	MP720781	MP720783
Bandwidth	40MHz	70MHz	40MHz	70MHz
Channel	2		2+1 (Signal Generator)	
Sample rate	250MSa/s			
Acquisition model	Sample, Peak detect			
Record length	6K			
Display	3.5 inch LCD			
Waveform refresh rate	10000 wfms/s			
Input coupling	DC, AC ,Ground			
Input impedance	1 MΩ±2%, in parallel with 16 pF±10 pF			
Probe attenuation	1X,10X,100X,1000X			
Max. input voltage	400V (DC+AC, PK - PK)			
Bandwidth limit(typical)	20MHz / Full bandwidth			
Sampling rate range	5ns/div ~ 500s/div,step by 1 – 2 - 5			
Sensitivity Resolution	10mV/div~10V/div			
Low Frequency (-3db)	≥10 Hz (at input, AC coupling)			
Rise time (at input, Typical)	≤8ns	≤5ns	≤8ns	≤5ns
Trigger type	Edge			
Trigger model	Auto, Normal, single			
Trigger level range	±4 div from the screen center			
Automatic measurement	Period, Frequency, Mean, PK-PK, Max, Min			
Cursor measurement	ΔV, ΔT, ΔT&ΔV between cursors, auto cursor			
Communication interface	USB Type-C			

Newark.com/multicomp-pro  
Farnell.com/multicomp-pro  
Element14.com/multicomp-pro

**multicomp** PRO

# Dual Channel Handheld Digital Storage Oscilloscopes **multicomp** PRO

## Digital Multimeter Specification

Full scale reading	4 ½ digitals (max 20000 count)
Testing Modes	Voltage, Current, Resistance, Capacitance, Diode ,Continuity
Maximum Input Voltage	AC 750V, DC 1000V
Maximum Input Current	DC : 10A AC : 10A
Diodes Test	0-2V

	Measurement Range	Accuracy
DC Voltage	200.00mV	±(0.5%+5 dig)
	2.0000V/20.000V/200.00V	±(0.3%+3 dig)
	1000.0V	±(0.5%+2 dig)
AC Voltage	200.00mV/2.0000V/20.000V/200.00V	±(0.8%+5dig)
	750.00V	±(1%+5dig)
DC Current	20.000mA/200.00mA	±(1%+5dig)
	10.000A	±(2.5%+2dig)
AC Current	20.000mA/200.00mA	±(1%+5dig)
	10.000A	±(2.8%+5dig)
Resistance (Ω)	200.00Ω/2.0000kΩ/20.000kΩ/200.00kΩ/2.0000MΩ	±(0.8%+3dig)
	20.000MΩ	±(1%+3dig)
	100.00MΩ	±(3%+3dig)
Capacitance (F)	20.000nF/200.00nF/2.0000μF/20.000μF/200.00μF/2.0000mF	±(3.0%+10dig)
Frequency response (Hz)	(40 - 1000) Hz	

## Signal Generator Specification (ONLY MP720781 &MP720783)

Frequency Output	Sine	0.1Hz~25MHz
	Square	0.1Hz~5MHz
	Ramp	0.1Hz~1MHz
	Arbitrary Waveform	0.1Hz~5MHz
Sample Rate	125MSa/s	
Channel	1	
Amplitude	20mVpp-5Vpp (high impedance), 10mVpp-2.5Vpp (50Ω)	
Waveform length	8K	
Vertical resolution	14bits	
Load impedance	1MΩ/50Ω	

# Dual Channel Handheld Digital Storage Oscilloscopes **multicomp**PRO

Standard Warranty : 12 Months

## Accessories



UK/EU Power Cord



Power Supply Adapter



Passive probe



Quick Guide



USB Cable



Multimeter Lead



Probe Adjust Tool



Soft Bag



BNC Plug to Alligator clips cable  
(1x for MP720780/MP720782,  
2x MP720781/MP720783)

## Part Number Table

Description	Part Number
Handheld Digital Storage Oscilloscope, 2 Channel, 40MHz	MP720780
Handheld Digital Storage Oscilloscope, 2 + 1 Channel (Signal Generator), 40MHz	MP720781
Handheld Digital Storage Oscilloscope, 2 Channel, 70MHz	MP720782
Handheld Digital Storage Oscilloscope, 2 + 1 Channel (Signal Generator), 70MHz	MP720783

**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  
Element14.com/multicomp-pro

**multicomp**PRO