

Single Channel Handheld Digital Storage Oscilloscope

multicomp PRO



Features

- 2 in 1 (DSO + Multimeter)
- Auto-scale function
- FFT function
- 20 group automatic measurement options
- Bandwidth : 20MHz / 60MHz
- USB data transmission supported
- Rechargeable Li-ion battery (6 hours' backup)
- Waveform record and replay
- Multimeter newly supported SCPI

Oscilloscope Specifications



Parameters	MP720014 US	MP720015 US
Bandwidth	20MHz	60MHz
Sample Rate (real time)	500MS/s	
Horizontal Scale (s/div)	5ns/div ~ 100s/div, step by 1~2.5~5	
Rise Time (at input, typical)	≤ 17.5ns	≤ 5.8ns
Display	3.7" colour TFT display (640 × 480 pixels)	
Channel	Single	
Input Impedance	1MΩ ± 2%, in parallel with 18pF ± 5pF	1MΩ ± 2%, in parallel with 15pF ± 5pF
Record Length	24K points	
Interpolation	sin (x) / x	
Probe Attenuation Factor	1X, 10X, 100X, 1000X	
Input Coupling	DC, AC, and GND	
DC Accuracy (average)	Average >16 : ±(5% reading + 0.05div) for ΔV	
Vertical Sensitivity	5mV/div ~ 5V/div (at input)	
Vertical Resolution (A/D)	8 bits	
Max Input Voltage	400V (PK - PK) (DC + AC, PK - PK, 1MΩ input impedance, probe attenuation 10 : 1), CAT II	
Trigger Type	Edge and Video	
Trigger Mode	Auto, Normal, and Single	
Trigger Level	±6 divisions from screen center	
Acquisition Mode	Sample, Peak Detect, and Average	
DC Gain Accuracy	±3%	

Newark.com/exclusive-brands
 Farnell.com/exclusive-brands
 Element14.com/exclusive-brands

multicomp PRO

Single Channel Handheld Digital Storage Oscilloscope

multicomp PRO

Parameters	MP720014 US	MP720015 US
Automatic Measurement	Vpp, Vavg, Vrms, Freq, Period, Vmax, Vmin, Vtop, Vbase, Vamp, Overshoot, Preshoot, Rise Time, Fall Time, +Width, -Width, +Duty, -Duty, Delay A→B  , Delay A→B 	
Waveform Storage	4 waveforms	
Communication Interface	mini-USB, mini-RS232	
Li-ion Battery	7.4V, 6 hours operation	
Dimensions (W × H × D)	115mm × 180mm × 40mm	
Weight (without package)	645 g	
Power Supply Adapter	100V AC to 240V AC, 50/60Hz	
Adapter Plug Type	US	
Standard Accessories Included	Power cord, USB cable, CD-Rom.Manual, Probes, Probe Adjust Tool, Multimeter Lead, Adapter, 5V.1kHz Output, Capacitance Ext. Module, Soft Bag	
Warranty	12 months	

Multimeter Specifications

Full Scale Reading	3-3/4 digits (max 4000-count)
Input Impedance	10MΩ
Voltage	V DC : 400mV, 4V, 40V, 400V, 1000V : ±(1% ± 1 digit); max input : DC 1000V V AC : 4V, 40V, 400V : ±(1% ± 3 digits), 750V : ±(2% ± 3 digits) Frequency : 40Hz - 400Hz; Max. Input : AC 750V (virtual value)
Current	DC : 40mA, 400mA : ±(1.5% ± 1 digit), 10A : ±(3% ± 3 digits) AC : 40mA : ±(1.5% ± 3 digits), 400mA : ±(2% ± 1 digit), 10A : ±(5% ± 3 digits)
Impedance	400Ω : ±(1% ± 3 digits), 40KΩ - 4MΩ : ±(1% ± 1 digit), 40MΩ : ±(1.5% ± 3 digits)
Capacitance	51.2nF - 100μF : ±(3% ± 3 digits)
Diode	0V - 1.5V
On / Off Test	< 50 (± 30) beeping

Part Number Table

Description	Part Number
Single Channel Handheld Digital Storage Oscilloscope, 20MHz	MP720014 US
Single Channel Handheld Digital Storage Oscilloscope, 60MHz	MP720015 US

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/exclusive-brands
Farnell.com/exclusive-brands
Element14.com/exclusive-brands

multicomp PRO