

# Single Channel Handheld Digital Storage Oscilloscope

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## 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 EU-UK	MP720015 EU-UK
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%	

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Parameters	MP720014 EU-UK	MP720015 EU-UK
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	UK / EU	
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 EU-UK
Single Channel Handheld Digital Storage Oscilloscope, 60MHz	MP720015 EU-UK

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