

Dual and Quad Channel Digital Ultra Phosphor Oscilloscopes

multicompPRO

**RoHS
Compliant**



MP720112



MP720113



MP720114



MP720115

Description

The Ultra Phosphor Oscilloscopes feature 2 and 4 analog channels, 70MHz/100MHz bandwidth, 1GS/s sampling rate, memory depth up to 56Mpts (open four channels at the same time), 83,000wfms/s waveform capture rate, adjustable channel time base, a variety of advanced triggering and bus decoding functions, and rich peripheral interfaces.

Features

- Bandwidth: 70MHz, 100MHz
- 56Mpts memory depth per channel
- 83,000 wfms/s waveform capture rate
- 256-level intensity grading display
- Adjustable channel time base
- 65,000 frames waveform record
- 8-inch TFT LCD, WVGA (800 x 480)
- Interfaces: USB Host, USB device, LAN, AUX Out

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Specifications

Characteristics	MP720112	MP720113	MP720114	MP720115
Bandwidth	70MHz	100MHz	70MHz	100MHz
Channels	2		4	
Sampling Rate	1GS/s			
Memory Depth	56Mpts (each channel)			
Waveform Capture Rate	83,000wfms/s			
Time Base Scale (s/div)	5ns/div to 50s/div			
Input Impedance	(1MΩ ±2%) // (20pF ±3pF)			
Vertical Scale (V/div)	1mV/div to 20V/div (1MΩ)			
Waveform Record	Max 65,000 frames			
Trigger Types	Edge, pulse width, runt, window, N-edge, delay, timeout, duration, setup/hold, slope, video, code			
Bus Decode	RS232/UART, I2C,SPI			
Waveform Operations	A+B, A-B, A×B, A/B, FFT, Logic operation, Editable advanced			
Auto Measurements	Maximum, minimum, peak-to-peak, median, top, bottom, amplitude, period average, average, periodic RMS, RMS, overshoot, preshoot, frequency, period, rise time, fall time, positive pulse width, negative pulse width, rise delay, fall delay, FRR, FRF, FFR, FFF, LRF, LRR, LFR, LFF, positive duty ratio, negative duty ratio, phase, area, cycle area.			
Number of Measurements	Display 5 measurements at the same time			
Measurement Statistics	Mean, Max., Min., standard deviation and measurement counts			
Frequency Counter	6-bit hardware counter			
Standard Interfaces	USB-Host, USB-Device, LAN, AUX (Trig Out, Pass/Fail)			

General Characteristics

Power	: 100V AC to 240V AC 50Hz/60Hz
Display	: 8-inch TFT LCD, WVGA (800 $\times$ 480)
Product Colour	: White and Grey
Product Size	: 336mm $\times$ 164mm $\times$ 108mm
Product Net Weight	: 3.5kg

Standard Accessories

Probe x 2/4 (1x, 10x switchable), UK/EU Power Cord, USB Interface cable, PC software CD

Standard Warranty

12 Months

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Part Number Table

Description	Part Number
Dual Channel Digital Ultra Phosphor Storage Oscilloscope, 70MHz, 1GS/s, 56Mpts, EU/UK	MP720112
Dual Channel Digital Ultra Phosphor Storage Oscilloscope, 100MHz, 1GS/s, 56Mpts, EU/UK	MP720113
Quad Channel Digital Ultra Phosphor Storage Oscilloscope, 70MHz, 1GS/s, 56Mpts, EU/UK	MP720114
Quad Channel Digital Ultra Phosphor Storage Oscilloscope, 100MHz, 1GS/s, 56Mpts, EU/UK	MP720115

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