

Digital Ultra Phosphor Storage Oscilloscope

TENMA™


72-14520 UK
72-14520 EU



72-14525 UK
72-14525 EU



72-14530 UK
72-14530 EU



72-14535 UK
72-14535 EU

Features

- Two and Four Channels with HD Colour 8" LCD Display
- Supports Plug-and-Play USB Storage Device to Communicate with PC
- Real-Time Continuous Hardware Waveform Recording and Waveform Analysis
- Multi-waveform Mathematical Operation Function
- Automatic Measurement of 34 Waveform Parameters
- Edge, Video, Pulse Width and Advanced Trigger Functions
- Waveform Capture Rate of Up to 50,000wfms/s
- Unique Waveform Recording and Replay Function
- Pass / Fail Detection

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Parameter	72-14520 UK	72-14520 EU	72-14525 UK	72-14525 EU
Channel	2			
Bandwidth	70MHz		100MHz	
Sample Rate	1GS/s			
Rise Time	≤ 5ns		≤ 3.5ns	
Memory Depth	28Mpts (Each Channel)			
Waveform Acquisition Rate	50,000wfms/s			
Times Base Scale	5ns/div ~ 50s/div			
Input Coupling	(1MΩ ±2%) (20pF ±3pF)			
Vertical Scale	1mV/div ~ 20V/div (1MΩ)			
DC Gain Accuracy	± 3%			
Waveform Record	65,000 Frames			
Trigger	Edge, Window, Runt, Time Out, Nth Edge, Delay, Duration, Setup/Hold, Pulse Width, Slope, Video, Pattern, RS232/UART, I2C, SPI			
Bus Decode	RS232/UART, I2C, SPI			
Waveform Operation	A+B, A-B, AxB, A/B, FFT, Logic Operation, Editable Advanced Filter			
Auto Measurement	Max, Min, High, Low, Middle, Pk-Pk, Ample, Mean, Cycle Mean, RMS, Cycle RMS, Area, Cycle Area, OverShoot, PreShoot, Period, Frequency, Rise, Fall, +Width, -Width, +Duty, -Duty, RiseDelay, FallDelay, Phase, FRR, FRF, FFR, FFF, LRF, LRR, LFR, LFF			
No. of Measurements	Display 5 measurements at the same time			
Measurement Statistic	Average, Max, Min, Standard Deviation, Number of Measurements			
Frequency Counter	Hardware 6 bits counter (channels are selectable)			
Standard Interface	USB-Host, USB Device, LAN, AUX (Trig Out, Pass/Fail)			
Plug Type	UK	EU	UK	EU

Parameter	72-14530 UK	72-14530 EU	72-14535 UK	72-14535 EU
Channel	4			
Bandwidth	70MHz		100MHz	
Sample Rate	1GS/s			
Rise Time	≤ 5ns		≤ 3.5ns	
Memory Depth	28Mpts (Each Channel)			
Waveform Acquisition Rate	50,000wfms/s			
Times Base Scale	5ns/div ~ 50s/div			
Input Coupling	(1MΩ ±2%) (20pF ±3pF)			
Vertical Scale	1mV/div ~ 20V/div (1MΩ)			
DC Gain Accuracy	± 3%			
Waveform Record	65,000 Frames			
Trigger	Edge, Window, Runt, Time Out, Nth Edge, Delay, Duration, Setup/Hold, Pulse Width, Slope, Video, Pattern, RS232/UART, I2C, SPI			
Bus Decode	RS232/UART, I2C, SPI			
Waveform Operation	A+B, A-B, AxB, A/B, FFT, Logic Operation, Editable Advanced Filter			



Digital Ultra Phosphor Storage Oscilloscope



Parameter	72-14530 UK	72-14530 EU	72-14535 UK	72-14535 EU
Auto Measurement	Max, Min, High, Low, Middle, Pk-Pk, Ample, Mean, Cycle Mean, RMS, Cycle RMS, Area, Cycle Area, OverShoot, PreShoot, Period, Frequency, Rise, Fall, +Width, -Width, +Duty, -Duty, RiseDelay, FallDelay, Phase, FRR, FRF, FFR, FFF, LRF, LRR, LFR, LFF			
No. of Measurements	Display 5 measurements at the same time			
Measurement Statistic	Average, Max, Min, Standard Deviation, Number of Measurements			
Frequency Counter	Hardware 6 bits counter (channels are selectable)			
Standard Interface	USB-Host, USB Device, LAN, AUX (Trig Out, Pass/Fail)			
Plug Type	UK	EU	UK	EU

General Characteristics

Safety Rating	: CAT II 150V (1x), CAT II 300V (10x)
Power	: 100V ~ 240V AC, 45Hz ~ 440Hz
Display	: 8 Inches TFT Colour LCD Display with WVGA (800 × 480) Resolution
Colour	: White and Grey
Weight	: 3.5kg
Size	: 336mm × 164mm × 108mm

Accessories

Digital Oscilloscope Unit, Mains Power Lead, Communications Software CD, USB Lead, Selectable 1:1/10:1 Passive Probes, User Manual.

Part Number Table

Description	Part Number
Digital Ultra Phosphor Storage Oscilloscope, 2CH, 70MHz, 1GS/s, 28Mpts, UK	72-14520 UK
Digital Ultra Phosphor Storage Oscilloscope, 2CH, 70MHz, 1GS/s, 28Mpts, EU	72-14520 EU
Digital Ultra Phosphor Storage Oscilloscope, 2CH, 100MHz, 1GS/s, 28Mpts, UK	72-14525 UK
Digital Ultra Phosphor Storage Oscilloscope, 2CH, 100MHz, 1GS/s, 28Mpts, EU	72-14525 EU
Digital Ultra Phosphor Storage Oscilloscope, 4CH, 70MHz, 1GS/s, 28Mpts, UK	72-14530 UK
Digital Ultra Phosphor Storage Oscilloscope, 4CH, 70MHz, 1GS/s, 28Mpts, EU	72-14530 EU
Digital Ultra Phosphor Storage Oscilloscope, 4CH, 100MHz, 1GS/s, 28Mpts, UK	72-14535 UK
Digital Ultra Phosphor Storage Oscilloscope, 4CH, 100MHz, 1GS/s, 28Mpts, EU	72-14535 EU

