

# Ultra Phosphor Oscilloscope



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 and Pulse Width
- Waveform Capture Rate of Up to 50,000wfms/s
- Unique Waveform Recording and Replay Function
- Pass / Fail Detection

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



# Ultra Phosphor Oscilloscope



| 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, Pulse Width, Slope, Video  |             |             |             |
| 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 Out (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, Pulse Width, Slope, Video.   |             |             |             |
| 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 |             |             |             |

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



# Ultra Phosphor Oscilloscope



| Parameter             | 72-14530 UK   | 72-14530 EU | 72-14535 UK | 72-14535 EU |
|-----------------------|---|-------------|-------------|-------------|
| 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 Out (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, 50Hz/60Hz/400Hz                                  |
| 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 |

**Important Notice** : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell 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. Tenma is the registered trademark of the Group. © Premier Farnell Limited 2016.

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

