

UPO2104CS Ultra Phosphor Oscilloscope

UPO2000CS series digital oscilloscope is based on UNI-T's unique Ultra Phosphor technology. A multi-functional, high performance oscilloscope that is easy to use, with excellent technical specifications, a perfect combination of many functionalities that can help users to quickly complete testing. UPO2000CS series is aimed at satisfying the most extensive oscilloscope markets, including communications, semiconductors, computers, aerospace, defense, instrumentation, industrial electronics, consumer electronics, automotive electronics, field maintenance, R&D, education, etc.

Features and Benefits:

- 1、 Sample Rate up to 1GS/s ;
- 2、 Channels 2/4 ;
- 3、 Bandwidth 100MHz , 160MHz , 200MHz ;
- 4、 Memory Depth 28Mpts (Standard) ;
- 5、 Waveform Capture Rate up to 50,000wfms/s ;
- 6、 With 256 level intensity grading display ;
- 7、 Up to 65,000 frames for Waveform Record ,Replay ;
- 8、 Support serial bus trigger and decoding ;
- 9、 8 inches, TFT LCD , WVGA(800*480) ;
- 10、 Interface : USB Host, USB Device, LAN, VGA, AUX OUT, 10MHz input/output.



Technical Specifications:

Models	UPO2104CS
Bandwidth	100 MHz
Channels	4
Sample Rate	1GS/s
Max. Memory Depth	28Mpts
Waveform Capture Rate	50,000wfms/s
Time Base Scale	2 ns/div 至50 s/div
Input Coupling	(1MΩ± 1%) (13 pF± 3 pF)
Vertical Scale	1mV/div 至20 V/div (1 MΩ)
DC Gain Accuracy	±3%
Waveform Record	65,000 Frames
Trigger	Edge, Alternate, Runt, Super picture, Nth Edge, Delay, Duration, SetupHold, Pulse Width, Slope, Video, Pattern, RS232/UART,I2C,SPI, USB
Bus Decode	Standard : Parallel; Optional : RS232/UART,I2C,SPI, USB
Waveform Operation	A+B、 A-B、 A×B、 A/B、 FFT、 Editable Advanced
Auto Measurement	Peak-Peak Value, Amplitude, Maximum, Minimum, Top Value, Bottom Value, Mean, Average, Root Mean Square Value, Overshoot, Preshoot, Frequency, Cycle, Rise Time, Fall Time, Positive Pulse, Negative Pulse, Positive Duty Ratio, Negative Duty Ratio, Delay 1->2, and Delay 2->1.
Number 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,10MHz Input/Output, AUX Output (TrigOut, Pass/Fail)
General Characteristic	
Power	100V ~ 240VACrms, 45Hz ~ 440Hz
Display	8 inches, TFT LCD, WVGA(800×480)
Product Color	White and Gray
Product Net Weight	3.5 kg ± 0.2 kg
Product Size (W×H×D)	336mm × 163.8mm × 105mm
Standard Accessories	Probe×2/4(1×,10× switchable),Power Cord ,USB Cable, PC Software CD
Standard Individual Packing	Gift Box, English Manual
Standard Quantity Per Carton	2 PCs
Standard Carton Measurement (L×W×H)	550mm × 220mm × 325mm
Standard Carton Cross Weight	9.5 kg