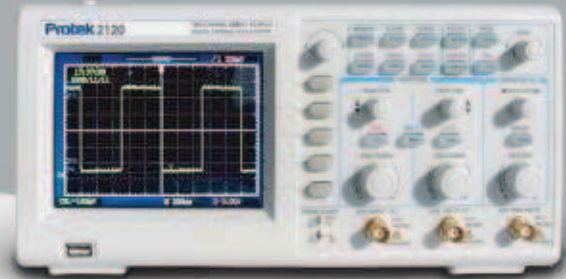


Protek 2000 Series



Digital Storage Oscilloscope



Features

- 200/100/60MHz Bandwidth with 2 Channels
- 500MSa/s & 1Gsa/s Real-Time Sampling Rate,
- 50Gsa/s Equivalent-Time Sampling Rate
- Large 5.7 inch TFT Color Display
- Three Math Functions Including "+", "-" and "FFT"
- Multi-Languages Support
- USB (Host & Device), RS232 & RJ45 Interface
- Battery Power Operation (Optional)

Specification

MODEL	Protek 2006	Protek 2010	Protek 2110	Protek 2020	Protek 2120
Channels	2	2	2	2	2
Bandwidth	60MHz	100MHz	100MHz	200MHz	200MHz
Rise Time	5.8ns Approx.	3.5ns Approx.	3.5ns Approx.	1.8ns Approx.	1.8ns Approx.
Input Impedance	Resistance: 1M +/- 2%; Capacitance: (20+/-5) pF				
Polarity	Normal & Invert				
Maximum Input	400V (DC+AC Peak)				
Waveform Signal Process	CH1+/- CH2, CH1xCH2, CH1/CH2, FFT				
Bandwidth Limit	20MHz / -3dB			40MHz / -3dB	
Source	CH1, CH2, EXT., City Electricity				
Mode	Edge, Pulse, Video, Slope Trigger				
Sensitivity	Max.1div (Frequency upper Limit to 40MHz), Max.2 div, TV-V, TV-H Video Trigger				
Ext. Trigger Input Imped.	Resistance: 1Mohm +/- 2%; Capacitance: (20+/-5) pF				
Ext. Trigger Sensitivity	Max.100mVp-p (Frequency upper Limit to 40MHz) 200mVp-p, TV-V, TV-H Video Trigger				
Max. Input Voltage	400V (DC+AC Peak)				
Low Frequency Inhibition	Frequency < 100KHz will be inhibited				
High Frequency Inhibition	Frequency > 100KHz will be inhibited				
Sampling	Real-time Max.Sampling Rate: 0 Series is 500MSa/s, 1 Series is 1Gsa/s Equivalent Max. Sampling Rate is 50Gsa/s for all items				
Range (1-2-5 Increments)	50s/div-10ns/div	50s/div-5ns/div		50s/div-1ns/div	
Mode	Main Sweep, Main Sweep+Delay Expansion Sweep, X-Y				
X-Axis Input	Channel 1				
Y-Axis Input	Channel 2				
Phase Shift	Max.3 degree @5MHz				
Voltage Measurement	Vpp, Vamp, Vrms, Vhi, Vlo, Vmax, Vmin, Pre-shoot, Overshoot				
Time Measurement	Frequency, Rise Time, Fall Time, Positive Width, Negative Width, Duty Cycle				
Delay Measurement	Delay 1->2  , Delay 1->2 				
Cursors Measurement	Voltage difference between Cursors ΔV , Time difference between Cursors ΔT Frequency difference between Cursors Δf				
TFT LCD Type	5.7 Inch				
Display Resolution	240 (Vertical) x 320 (Horizontal) Dots				
RS232 Interface	DB 9-Pin RS232 Interface				
USB	USB Host / Device 2.0 Full Speed Supported				
Line Voltage Range	AC 100V ~ 240V +/-10%, 45Hz ~ 440Hz, Auto Selection				
Battery Power (Option)	Li-Ion Battery Pack				
Dimension	300 x 150 x 130 (mm)				
Weight	2.5Kgs				