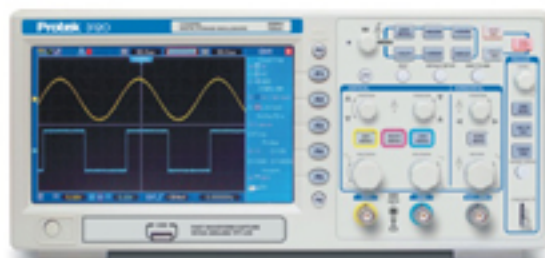


# Digital Storage Oscilloscope

## Protek 3000 Series

### Features

- 60/100/200MHz Bandwidth with 2 Channels
- 500MSa/s and 1Gsa/s Real-Time Sampling Rate
- 25Gsa/s Equivalent-Time Sampling Rate
- Large 7 inch Color LCD Display
- Record Length upto 1M
- 4 Math Functions Plus FFT
- Multi-Languages Support
- USB Host and Device Connections



### Specifications

Specifications	Protek 3006	Protek 3010	Protek 3110	Protek 3120
Bandwidth	60MHz	100MHz	100MHz	200MHz
Channels	2	2	2	2
Real-Time Sampling Rate	500MSa/s	500MSa/s	1Gsa/s	1Gsa/s
Equivalent-Time Sampling Rate	14Gsa/s			
<b>Horizontal</b>				
Range	40s/div-4ns/div	40s/div-4ns/div	40s/div-2ns/div	
Step	2, 4, 8 Increments			
Mode	Main Sweep, Main Sweep+Delay Expansion Sweep, X-Y			
Bandwidth Limit	20MHz +/- 40% Typical			
<b>Vertical</b>				
Rise Time	5.8ns	3.5ns	3.5ns	1.8ns
Maximum Input	400V(DC+AC peak)			
Input Impedance	Resistance: 1M +/- 2% ; Capacitance: (20+/-3) pF			
Polarity	Normal & Invert			
Probe	X1, X10, X100, X1000			
<b>Trigger</b>				
Source	CH1, CH2, EXT, EXT/5			
Trigger Sensitivity	DC: CH1/CH2 (Typical) 1div from DC to 10MHz; 1.5div from 10MHz to full EXT (Typical): 200mV from DC to 100M EXT/5 (Typical): 1V from DC to 100M AC: Attenuates signals below 10Hz HF Reject: Attenuates signals below 80KHz LF Reject: Attenuates signals below 150KHz Noise Reject: Reduces trigger sensitivity			
Mode	AUTO, Normal, Single			
Type	Edge, Pulse Wide, Video, Slope, Overtime, Alternative			
<b>Other</b>				
Voltage Measurement	Vpp, Vrms, Vmax, Vmin, Mean			
Time Measurement	Frequency, Period, Rise Time, Fall Time, Positive Width, Negative Width			
Cursors Measurement	Voltage difference between cursors $\Delta V$ , Time difference between cursors $\Delta T$ Frequency difference between cursors $1/\Delta T$			
Waveform Signal Process	CH1+/-CH2, CH1xCH2, CH2, -CH1, FFT			
Interface	USB Host / USB Device			
Display	7.0 Inch TFT LCD type display			
Display Resolution	800 x 480 Dots			
Power Source	AC 100V ~ 240V $\pm 10\%$ , 45Hz ~ 440Hz, Auto Selection			
Dimension / Weight	313(L) x 108(W) x 142(H) mm / 2.08kg (Exclusive of packing and accessories)			