

Protek 1000 Series

Features

- 600/200/60 MHz Bandwidth with 2 Channels
- 2Gsa/s, 1Gsa/s, 500Msa/s, 150Msa/s Real-Time Sampling Rate
- 50Gsa/s Equivalent-Time Sampling Rate
- 6,000-Count DMM resolution with AC/DC at 600V, 10A
- Large 5.7 inch TFT Color LCD Display
- USB Host / Device 2.0 full-speed interface connectivity
- Multi-Languages Support
- Battery Power Operation (Installed)



Specifications

MODEL	Protek 1006	Protek 1020	
VERTICAL	Channels	2	2
	Bandwidth	60MHz	200MHz
	Rise Time	5.8ns	1.7ns
	Input Impedance	Resistance: 1M ; Capacitance: 15 pF	
	Input Sensitivity	10mV/div to 5V/div	2mV/div to 10V/div
	Input Coupling	AC, DC with Ground Level Indicator	
	Vertical Resolution	8 bits	
	Memory Depth	32k at Singal Channel, 16k at Dual Channel	
	Maximum Input	300V (DC+AC Peak)	
	Sampling	150MSa/s	500MSa/s
HORIZONTAL	Equivalent Max. Sampling Rate is 50Gsa/s for all items		
	Time Base Range	5ns/div-1000s/div	2ns/div-1000s/div
TRIGGER	Time Base Precision	±50ppm	
	Source	CH1, CH2	
X-Y MODE	Mode	Edge, Pulse Width, Alternative	Edge, Vedio, Pulse Width, Alternative
	X-Axis Input	Channel 1	
	Y-Axis Input	Channel 2	
CURSORS AND MEASUREMENT	Phase Shift	Max.3 degree	
	Voltage Measurement	Vpp, Vamp, Vmax, Vmin, Vtop, Vmid, Vbase, Vavg, Vrms, Vcrms, Preshoot, Overshoot	
	Time Measurement	Frequency, Rise Time, Fall Time, Positive Width, Negative Width, Duty Cycle	
	Delay Measurement	Delay 1->2 ⬆, Dealy 1->2 ⬇	
	Cursors Measurement	Manual, Track, Auto Measure Modes	
	Waveform Signal Process	CH1+/- CH2, CH1xCH2, CH1/CH2, FFT, Invert	
	Storage	15 Waveforms and Setups	
	Maximum Resolution	6,000 Counts	
	DMM Testing Modes	Voltage, Current, Resistance, Capacitance, Diode & Continuity	
	METER MODE	Maximum Input Voltage	AC: 600V, DC: 600V
Maximum Input Current		AC: 10A, DC: 10A	
Input Impedance		10 MΩ	
DISPLAY	TFT LCD Type	5.7 Inch with LED Backlight Display	
	Display Resolution	240 (Vertical) x 320 (Horizontal) Dots	
INTERFACE	USB	USB Host / Device 2.0 Full Speed Supported	
	Optional	RS232, LAN	
POWER SOURCE	Line Voltage Range	AC 100V ~ 240V, 50Hz ~ 60Hz; DC Input: 8.5VDC, 1500mA	
	Battery Power (Installed)	6 Hours (Li-ion Battery)	
MECHANICS	Dimension	245 x 163 x 52 (mm)	
	Weight	1.2Kgs	
	Other	Oscilloscope and Multimeter Independence	