



Handheld Oscilloscope

Protek 1020

- 200MHz Bandwidth with 2 Channels
- Rise Time 1.7ns
- Real Sampling Rate: 500Msa/s
- Equivalent-Time Sampling Rate: 50Gsa/s
- 6,600 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)

Channels	2	Time Measurement	Frequency, Rise Time, Positive Width, Negative Width, Duty Cycle
Bandwidth	200MHz	Delay Measurement	Delay 1 -> 2  , Delay 1 -> 2 
Rise Time	5.8ns	Cursors Measurements	Manual, Track, Auto Measure Modes
Input Impedance	Resistance: 1M, Capacitance: 15pF	Waveform Signal Process	CH1+/-CH2, CH1xCH2, CH1/CH2, FFT, Invert
Input Sensitivity	10mV/div to 5V/div	Storage	15 Waveforms and Setups
Input Coupling	AC, DC with Ground Level Indicator	Maximum Resolution	6,600 Count
Vertical Resolution	8 bits	DMM Testing Modes	Voltage, Current, Resistance, Capacitance, Diode and Continuity
Memory Depth	32k at Signal Channel, 16k at Dual Channel	Maximum Input Voltage	AC: 600V, DC: 600V
Maximum Input	300V (AC + DC Peak)	Maximum Input Current	AC: 10A, DC: 10A
Sampling	Real-Time Sampling Rate: 500Msa/s Equivalent-Time Sampling Rate: 50Gsa/s	Input Impedance 10	10MΩ
Time Base Range	2ns/div ~ 1000s/div	TFT LCD Type	5.7 Inch with LED Backlight Display
Time Base Precision	±50ppm	Display Resolution	240 (Vertical) x 320 (Horizontal) Dots
Trigger Source	CH1, CH2,	USB Interface	USB Host / Device 2.0 Full Speed Supported
Trigger Mode	Edge, Video, Pulse Width, Alternative	Optional Interface	RS232, LAN
X-Axis Input	Channel 1	Line Voltage Range	AC 100V ~ 240V, 50Hz ~ 60Hz; DC Input: 8.5VDC, 1500mA
Y-Axis Input	Channel 2	Battery Power (Installed)	6 Hours Li-Ion Battery
Phrase Shift	Max. 3 Degrees	Dimensions / Weight	9.65 x 5.9 x 2.05ins (245 x 150 x 52mm) 2.65lbs (1.2Kgs)
Voltage Measurement	V_{pp} , V_{amp} , V_{max} , V_{min} , V_{top} , V_{mid} , V_{base} , V_{avg} , V_{rms} , V_{crms} , Preshoot, Overshoot	GND Reference	Oscilloscope and Multimeter Independence