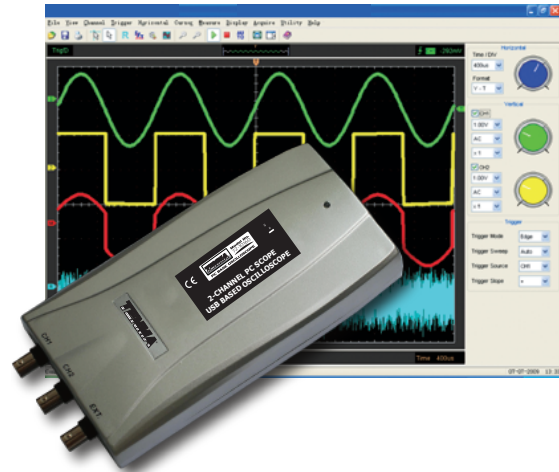


PC USB Digital Oscilloscope

60MHz; 2CH; 72-10160

Feature

- 60MHz high bandwidth with 2 channels;
- 150MSa/s real time sampling rate;
- Multi-language support, easy to use;
- USB2.0 interface, no external power required;
- 23 measurement functions, PASS/FAIL check, FFT
- OS: Windows NT, Windows 2000, Windows XP, Windows 7;
- Labview/VB/VC SDK.



Specifications

Model		72-10160
Acquisition	Sample Mode	Real-Time Sample
	Sample Rate	150MSa/s
	Average	N acquisitions, all channels simultaneously, N is selectable from 1-128
Input	Input Coupling	DC, AC, GND
	Input Impedance	Resistance: 1MΩ; Capacitance: 25pF
	PP-80, PP-150, PP-200 Probe Attenuation	10X
	Probe Attenuation Factors	1X, 10X
Horizontal	Maximum Input Voltage	35Vpk (DC + peak)
	Scanning Speed Range(Sec/Div)	4ns/div ~ 1h/div(1-2-4 sequences)
	Sample Rate and Delay Time Accuracy	±50ppm(any interval ≥1ms)
	Wave form Interpolation	Step, Linear, Sin(x)/x
Vertical	Memory Depth(Sample Points)	10K : available all timebase; 32K : 40us/div-400ms/div(Dual channel); 20us/div-400ms/div(Single channel); 64K : 40us/div-400ms/div
	Analog Bandwidth	60MHz (-3dB)
	A/D converter	8 bit resolution
	Vertical Scale(Volt/div) Range	10mV ~ 5V/div @ x1 probe(1,2,5 sequence); 100mV ~ 50V/div @ x10 probe
	Position Range	±4division
	Selectable Analog Bandwidth Limit(typical)	20MHz
	Lower Frequency Response(-3dB)	≤ 10Hz(at input BNC)
	Rise Time at BNC(typical)	≤5.8ns
Trigger	DC Gain Accuracy	±3%
	Trigger Source	CH1,CH2, EXT
	Trigger Mode	Auto, Normal and Single
	Trigger Type	Edge trigger: Rising edge, falling edge.
	Trigger Sensitivity	0.02 div increments
Measurement	Trigger Level Range	±4V
	Trigger Level Accuracy	±4 division
	Cursor Measure	Amplitude difference between cursors (ΔV); Time difference between cursors (Δt); Reciprocal of Δt in Hertz (1/Δt) (Cross, Trace, Horizontal, Vertical)
Environmental	Auto Measure	Vp-p, Vmax, Vmin, Vmean, Vamp, Vtop, Vbase, Vmid, Vrms, Vcrms, Preshoot, Overshoot
	Temperature	Frequency, Period, Rise Time(10%~90%), Fall Time(10%~90%), Positive Width, Negative Width, Duty Cycle
	Cooling Method	Operating: 0 C to 40 C; Non-operating: -20 C to +60 C)
	Humidity	Forced air
Mechanical	Humidity	Below +35 C, ≤90% relative humidity; +35 C to +40 C, ≤60% relative humidity
	Altitude	Operating: 3,000m or below; Non-operating: 15,000m or below
Accessories	Size	190mm(L)x100mm(W)x35mm(H)
	Heavy	Without Packaged 0.29kg; Packaged 0.9kg;
	Probe	X1, X10 two passive probes. The passive probes have a 6MHz bandwidth (rated 100Vrms CAT III) when the switch is in the X1 position, and a maximum bandwidth (rated 300Vrms CAT II) when the switch is in the X10 position. Each probe consists of all necessary fittings
	USB Line	A USB A-B line, used to connect external devices with USB-B interface like a printer or to establish communications between PC and the oscilloscope.
	Installation CD	A software installation CD and it also contains the user manual for the Tenma Oscilloscope.