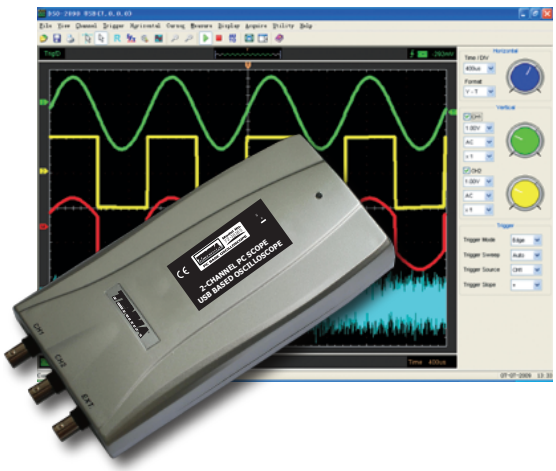
PC USB Digital Oscilloscope

100MHz; 2CH; 72-10165

Feature

- 100MHz high bandwidth with 2 channels;
- 250MSa/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		72-10165
Acquisition	Sample Mode		Real-Time Sample
	Sample Rate		Real-Time Sample:250MSa/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
	P-80,PP-150,PP-200 Probe Attenuation		10X
	Probe Attenuation Factors		1X, 10X
	Maximum Input Voltage		35Vpk (DC + peak)
Horizontal	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
	Memory Depth(Sample Points)		10K : available all timebase; 512K : 200us/div-400ms/div(Dual channel); 400us/div-400ms/div(Signal channel); 1M : 400us/div-400ms/div(Signal channel)
Vertical	Analog Bandwidth		100MHz (-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)		≤3.5ns
	DC Gain Accuracy		±3%
Trigger	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
	Trigger Level Range		±4V
	Trigger Level Accuracy		±4 division
Measurement	Cursor Measure		Amplitude difference between cursors (ΔV); Time difference between cursors (Δt); Reciprocal of Δt in Hertz (1/ Δt) (Cross, Trace, Horizontal, Vertical)
	Auto Measure	Voltage	Vp-p, Vmax, Vmin, Vmean, Vamp, Vtop, Vbase, Vmid, Vrms, Vcrms,Preshoot, Overshoot
		Time	Frequency, Period, Rise Time(10%~90%), Fall Time(10%~90%), Positive Width, Negative Width, Duty Cycle
Environmental	Temperature		Operating: 0℃ to 40℃; Non-operating: -20℃ to +60℃)
	Cooling Method		Forced air
	Humidity		Below +35℃, ≤90% relative humidity; +35℃ to +40℃, ≤60% relative humidity
	Altitude		Operating: 3,000m or below; Non-operating: 15,000m or below
Mechanical	Size		190mm(L)x100mm(W)x35mm(H)
	Heavy		Without Packaged 0.29kg; Packaged 0.9kg;
Accessories	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.