

Oscilloscope

TENMA™


Features:

- 4 in 1 multifunctional testing instrument:
Oscilloscope / Arb. Waveform Generator / FFT Spectrum Analysis / Frequency Counter
- 16M memory depth oscilloscope
- 200MSa/s DDS arb. waveform generator

Specifications:

	Model	72-10179
Acquisition	Sample Mode	Real-Time Sample
	Sample Rate	200MSPS
	Average	N acquisitions, all channels simultaneously, N is selectable from 2, 4, 8, 16, 64, and 128
Input	Input Coupling	DC, AC, GND
	Input Impedance	Resistance: 1MΩ; Capacitance: 25pF
	PP-80,PP-150,PP-200 Probe Attenuation	10X
	Support Current Measure	1X, 10X
	Maximum Input Voltage	400Vpk (DC + peak)
Horizontal	Scanning Speed Range(Sec/Div)	5ns/div ~ 1,000s/div(1-2-5 sequences)
	Sample Rate and Delay Time Accuracy	±50ppm(any interval ≥1ms)
	Wave form Interpolation	Step, Linear, Sin(x)/x
	Memory Depth(Sample Points)	10K ~ 16M for each channel; 16M: 5ns/div-1000s/div
	Analog Bandwidth	60MHz (-3dB)
	A/D converter	8 bit resolution
Vertical	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
	DC Gain Accuracy	±3%

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Trigger	Trigger Source		CH1,CH2, EXT
	Trigger Mode		Auto, Normal and Single
	Trigger Type		Edge, Pulse, Video, Alternative
	Trigger Sensitivity		0.02 div increments
	Trigger Level Range		±4V
	Trigger Level Accuracy		±4 division
	Edge Trigger Slope		Rising, Falling
	Pulse Width Trigger		Trigger Condition: Trigger when <, >, =, or ≠; Positive pulse or Negative pulse Pulse Width Range: Selectable from 20ns to 10s
	Video Trigger Type (Signal Formats and Field Rates)		Supports NTSC, PAL and SECAM broadcast systems for any field or any line
	Alternative Trigger		CH1/CH2/CH3/CH4: Internal Trigger, Edge, Pulse Width, Video
Measurement	Cursor Measure		Amplitude difference between cursors (ΔV); Time difference between cursors (Δt); Reciprocal of Δt in Hertz ($1/\Delta t$) (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
Arbitrary Waveform Generator	Waveform Frequency		DC ~ 25MHz
	DAC clock		2K ~ 200MHz adjustable
	Frequency Resolution		0.10%
	Waveform Depth		4K Sample
	Vertical Resolution		12 bit
	Frequency Stability		<30ppm
	Wave Amplitude		±3.5V Max.
	Output Impedance		50Ω
	Output Current		50mA, Ipeak=50mA
	System BW		25MHz
	Harmonic Distortion		-50dB(1KHz), -40dB(10KHz)
Environmental	Temperature		Operating: 0°C to 40°C Non-operating: -20°C to +60°C)
	Cooling Method		Forced air
	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



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Mechanical	Size	190mm(L)×100mm(W)×35mm(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.
	Adapter	A power adapter special for this product. In addition to the power adapter shipped with your instrument, you may purchase another one certified for the country of use.
	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.

Part Number Table

Description	Part Number
Oscilloscope, PC, 2 CH, 60MHz, AFG	72-10179

תיאור פריט: אוסילוסקופ מבוסס מחשב – 2 ערוצים – 60MHZ

יצרן: TENMA

דגם: 72-10179

מק"ט טלמיר: 8656412

מיקום באתר: ציוד בדיקה ומכשירי מדידה / אוסילוסקופים / אוסילוסקופים מבוססי מחשב
יבואן: טלמיר אלקטרוניקה בע"מ

