

TAO3000 Series 2CH/4CH Handheld Digital Oscilloscope



- + Oscilloscope+Multimeter(2CH type)
- + Max 120MHz Bandwidth, 1GS/s sample rate
- + 14-bit high resolution ADC
- + 40M record length; 45,000 wfms/s waveform refresh rate
- + low back ground noise
- + 8 inch 800 x 600 high resolution LCD, multi-touch screen, more user-friendly operation experience
- + SCPI, and LabVIEW supported
- + multi- trigger, and bus decoding function
- + multi-interface integration - USB host, USB device, LAN, WIFI(optional)

+ Performance Specifications (2 channels model)

Model	TAO3072	TAO3102	TAO3122	TAO3072A	TAO3102A	TAO3122A
Bandwidth	70MHz	100MHz	120MHz	70MHz	100MHz	120MHz
Sample Rate	1GS/s					
Vertical Resolution (A/D))	8 bits			8bits/12bits/14 bits		
Record length	40M					
Waveform Refresh Rate	45,000 wfms/s					
Horizontal Scale (s/div))	1ns/div - 1000s/div, step by 1 - 2 - 5					
Channel	2					
Display	8" color LCD, 800 x 600 pixels display, multi-touch screen					
Input Impedance	1M Ω $\pm$ 2%, in parallel with 15pF $\pm$ 5pF					
Max Input Voltage	1M Ω $\leq$ 300Vrms;					
DC Gain Accuracy	$\pm$ 3%					
Probe Attenuation Factor	0.001X - 1000X, step by 1 - 2 - 5					
Sample Rate / Relay Time Accuracy	$\pm$ 2.5ppm					
Input Coupling	DC, AC, GND					
Vertical Sensitivity	1mV/div - 10V/div (at input)					
Trigger Type	Edge, Video, Pulse, Slope, Runt, Windows, Timeout, Nth Edge, Logic, I ² C, SPI, RS232, and CAN (optional)					
Bus Decoding(optional)	I ² C, SPI, RS232, CAN					
Trigger Mode	Auto, Normal, and Single					
Automatic Measurement	Vpp, Vavg, Vrms, Freq, Period, Week RMS, Cursor RMS, Vmax, Vmin, Vtop, Vbase, Vamp, Overshoot, Phase A→B ↑, Phase A→B↓, Preshoot, Rise Time, Fall Time, +Width, -Width, +Duty, -Duty, Duty Cycle, Delay A→B ↑, Delay A→B↓, +Pulse Count, -Pulse Count, Rise Edge Count, Fall Edges Count, Area, Cycle Area					
Waveform Math	+, -, $\times$, $\div$, FFT, FFTrms,Intg,Diff,Sqrt, User Defined Function, Digital Filter					
Waveform Storage	100 waveforms					
Communication Interface	USB host, USB device, USB port for PictBridge,LAN, and WIFI (optional)					
Frequency Counter	available					
Battery	7.4V, 8000mAh, 5 hours operation					
Dimension(WxHxD)	270x191x48 (mm)					

Device Weight	About 1.7kg
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+ Multimeter Specifications (only apply for 2 channels model)

Display	Voltage	Current	Impedance	Diode	Auto Ranging
4 1/2 digitals	mV: 20.000mV - 200.00mV DCV: 2.0000V - 1000.0V ACV: 2.0000V - 750.0V	ACD: 10.00A ACA: 10.00A	200.00Ω - 100.00MΩ	√	√

+ Accessories The accessories subject to final delivery.



Power Cord



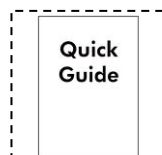
Adapter



Probe



CD Rom



Quick Guide



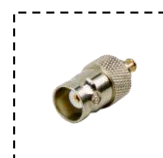
Micro USB Cable



Probe Adjust



Stand Holder



BNC-SAM



Multimeter Lead



Current Ext
Module



Bag (optional)

+ Performance Specifications (4 channels mode)

Model	TAO3074	TAO3104	TAO3074A	TAO3104A
Bandwidth	70MHz	100MHz	70MHz	100MHz
Sample Rate	1GS/s			
Vertical Resolution (A/D))	8 bits		8bits/12bits/14 bits	
Record length	40M			
Waveform Refresh Rate	45,000 wfms/s			
Horizontal Scale (s/div))	1ns/div - 1000s/div, step by 1 - 2 - 5			
Channel	4			
Display	8" color LCD, 800 x 600 pixels display , multi-touch screen			
Input Impedance	1MΩ ± 2%, in parallel with 15pF ± 5pF			
Max Input Voltage	1MΩ ≤ 300Vrms;			
Probe Attenuation Factor	0.001X - 1000X, step by 1 - 2 - 5			
Sample Rate / Relay Time Accuracy	±2.5ppm			
Input Coupling	DC, AC, GND			
Vertical Sensitivity	1mV/div - 10V/div (at input)			
Trigger Type	Edge, Video, Pulse, Slope, Runt, Windows, Timeout, Nth Edge, Logic, I²C, SPI, RS232, and CAN (optional)			
Bus Decoding(optional)	I²C, SPI, RS232, CAN			
Trigger Mode	Auto, Normal, and Single			
Automatic Measurement	Vpp, Vavg, Vrms, Freq, Period, Peak RMS, Cursor RMS, Vmax, Vmin, Vtop, Vbase, Vamp,			

	Overshoot, Phase A→B ↑, Phase A→B↓, Preshoot, Rise Time, Fall Time, +Width, -Width, +Duty, -Duty, Duty Cycle, Delay A→B ↑, Delay A→B↓, +Pulse Count, -Pulse Count, Rise Edge Count, Fall Edges Count, Area, Cycle Area
Waveform Math	+, -, ×, ÷, FFT, FFTrms, Intg, Diff, Sqrt, User Defined Function, Digital Filter
Waveform Storage	100 waveforms
Communication Interface	USB host, USB device, USB port for PictBridge, LAN, and WIFI (optional)
Frequency Counter	available
Battery	7.4V, 8000mAh, 5 hours operation
Dimension(WxHxD)	270x191x48
Device Weight	About 1.7kg

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Power Cord



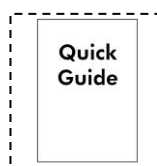
Adapter



Probe



CD Rom



Quick Guide



Micro USB Cable



Probe Adjust



Stand Holder



BNC-SAM



Bag (optional)



Current Ext Module