

MO 2004A Series Modular Oscilloscope

70MHz, 100MHz, 200MHz, 250MHz, 1GSa/s, 4CH

Key Features

- 4CH Modular Oscilloscope with Arbitrary Waveform Generator
- 70MHz - 250MHz bandwidth
- 1GSa/s Real Time sample rate
- USB 2.0 interface plug and play
- 20 more automatic measurement function
- PASS/FAIL Check function
- Waveform data can be output as EXCEL, BMP, JPG according to time and voltage
- Software Support: Win10, Win8, Win7
- Supply DEMO code (VC,VB,LABVIEW) and technical support.
- Multi-language selection

Typical Applications

- Service and Repair
- Education and training
- Research and Development



Saluki MO2004A series Modular Oscilloscope is a good choice for students and on-site maintenance engineers. With 4 independent analog channels, arbitrary waveform generator function, 1GSa/s real time sampling rate, USB2.0 interface plug and play, pass/fail test, resourceful trigger function, dynamic cursor tracking etc., makes this module have a much good performance even better than some bench top ones. Support the software of Win 10, Win 8 and Win7, provide a Labview / VB /VC code for second development.

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Technical Specifications

Model	MO2074A	MO2104A	MO2204A	MO2254A
Bandwidth	70MHz	100MHz	200MHz	250MHz
Input				
Analog Channels	4			
Input Impedance	Resistance: 1M Ω ; Capacitance: 25pF			
Input Sensitivity	2mV/div to 10V/div			
Input Coupling	AC, DC, GND			
Max. Input	400V (DC+AC Peak)			
Real-time sampling Rate	1GSa/s			
Time base range	2ns/div to 1000s/div			
Time base precision	\pm 50ppm			
Horizontal				
Memory Depth	64K			
Bandwidth Limit	20MHz			
Position Range	\pm 4division			
Vertical				
Resolution	8bit			
DC Gain Accuracy	\pm 3%			
Probe Attenuation Factors	1X, 10X, 100X, 1000X, 10000X, 20:1			
Scale Range	2mV - 10V/div @ x1 probe (1,2,5 sequence) 20mV - 100V/div @ x10 probe 2V - 1KV/div @ x100 probe 20V - 10KV/div @ x1000 probe 20V - 100KV/div @ x10000 probe 200mV - 200V/div @ 20:1			

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Trigger	
Source	CH1, CH2, CH3, CH4
Mode	Auto, Normal and Single
Type	Edge, Pulse, Video, Alternative
Sensitivity	0.02 div increments
Level Range	±4V
Level Accuracy	±4 division
Edge Slope	Rising, Falling
Pulse Width	Trigger Condition: Trigger when <, >, =, or ≠ Positive pulse or Negative pulse Pulse Width Range: Selectable from 10ns to 10s
Video	Trigger on an NTSC, PAL, or SECAM standard video signal Line Range: 1-525(NTSC), 1-625(PAL/SECAM)
Slope	Trigger (when >, <, =, ≠) on a positive or negative slope Set Time: 20ns-10s
Arbitrary Waveform Generator	
Waveform Frequency	DC - 25MHz
DAC clock	2K - 200MHz
Vertical Resolution	12bit
Waveform Depth	4K
Wave Amplitude	±3.5V Max
Output Impedance	50Ω
Measurement	
Waveform Single Process	+, -, ×, ÷, FFT
Auto Set	Yes
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	Vp-p, Vmax, Vmin, Vmean, Vamp, Vtop, Vbase, Vmid, Vrms, Vcrms, Preshoot, Overshoot Frequency, Period, Rise Time(10% - 90%), Fall Time(10% - 90%), Positive Width, Negative Width, Duty Cycle

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General Information

FFT	Rectangular,Hamming,Blackman Window
Interface	USB2.0 (USBXI optional)
Power Source	No external power,bus-powered from USB
Size & Weight	175mm(L)x105mm(W)x25mm(H), 0.45kg
Standard Package	230x175x75cm. Gross weight: approx 1kg including all accessories

Standard Package

Main Machine 	2 passive probes 	Hook 	USB Cable 
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Note: Information will conduct the necessary updates , the contents of this document are subject to change without notice

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