

# MO 2002 Series Modular Oscilloscope

50MHz, 80MHz, 100MHz, 200MHz, 250MSa/s, 2CH

## Key Features

- 2 CH Modular Oscilloscope
- 50MHz - 200MHz bandwidth
- 250MSa/s / 150MSa/s Real Time sample rate
- USB 2.0 interface plug and play
- 20 more automatic measurement function
- PASS / FAIL Check function, FFT embedded
- Waveform data can be output as EXCEL, BMP, JPG according to time and voltage
- Software Support: Windows NT, Win 2000,XP, Vista, Win 7/8
- Supply DEMO code (VC,VB,LABVIEW) and technical support
- Multi-language selection

## Typical Applications

- Service and Repair
- Education and training
- Reach and Development



Saluki MO2002 series Modular Oscilloscope is a good choice for students and on-site maintenance engineers. With a bandwidth of 50MHz to 200MHz, 250MSa/s sample rate fits most of applications. Excellent industrial design-the same anodised aluminium casing as iPad, which is not only beautiful and tasteful but also greatly enhanced the hardness of aluminum alloy surface, and has good heat resistance and strong wear ability. Standard USBXI (TM) interface, easily inserts into USBXI (TM) housing to make up a combination instrument.

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## Technical Specifications

Model	MO2052	MO2082	MO2102	MO2212
<b>Acquisition</b>				
Bandwidth	50MHz	80MHz	100MHz	200MHz
Channel	2			
Real-time Sampling Rate	150MS/s	250MS/s		
Mode	Sampling, Peak Detect, Average			
Average Sampling	Average waveform, Times: 4, 8, 16, 32, 64, 128			
<b>Input</b>				
Input Impedance	1M $\Omega$ 25pF			
Coupling	AC/DC/GND			
Probe Attenuation Factors	1X, 10X, 100X, 1000X			
Maximum input voltage	35Vpk (DC + peak)			
Input protection	Diode clamping			
EXT. input	Yes			
<b>Horizontal</b>				
Sweep	4ns/div - 1h/div (1-2-4 sequences)			2ns/div - 1h/div
Timebase precision	$\pm$ 50ppm			
Waveform Interpolation	Step, Linear, Sin(x)/x10K			10K
Memory Depth	10K-64KB/Channel			
<b>Vertical</b>				
Resolution	8Bit			9Bit
Adjustable	Yes			
Mode	CH1, CH2, Dual, ADD			
Gain range	10mV-5V, 9Steps			
DC Gain Accuracy	$\pm$ 3%			

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Vertical				
	MO2052	MO2054	MO2102	MO2212
Vertical Displacement Range	10mV - 5V/div @ x1 probe			10mV - 10V/div @ x1 probe
	100mV - 50V/div @ x10 probe;			100mV - 100V/div @ x10 probe;
	1V - 500V/div @ x100 probe			1V - 1KV/div @ x100 probe
	10V - 5KV/div @ x1000 probe			10V - 10KV/div @ x1000 probe
Position Range	±4division			
Bandwidth Limit	20MHz			
Low Frequency Response	≤10Hz ( at input BNC )			
Rise time	≤7ns	≤4.4ns	≤3.5ns	≤1.7ns
Trigger				
Source	CH1, CH2, EXT			
Mode	Auto, Normal, Single			
Type	Edge, Alternative		Edge, Alternative, Pulse	
Sensitivity	0.02 division			
Range	±4V			
Precision	±4division			
Measurement				
Cursors Measurement	Cross, Trace, Horizontal, Vertical			
Auto Measurement	Vpp, Vamp, Vmax, Vmin, Vtop, Vmid, Vbase, Vavg, Vrms, Vcrms, Preshoot, Overshoot, Frequency, Period, Rise Time, Fall Time, Positive Width, Negative Width, Duty Cycle			
Waveform Display	port/line, waveform average, persistence, intensity			
Network	Open / Close			
Math	FFT, addition, subtraction, multiplication, division.			

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## General Information

Temperature	Operating: 0°C-40°C; Non-operating: -20°C-60°C
Humidity	Below 35°C, ≤90% relative humidity; 35°C-40°C, ≤60% relative humidity
Volume	190mm x 100mm x 35mm
Weight	0.7KG
Accessory	S/W , probes, manual, USB cord
Standard Package	230x175x75cm. Gross weight: approx 1kg including all accessories

## Standard Package



*Note: Information will conduct the necessary updates , the contents of this document are subject to change without notice*

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