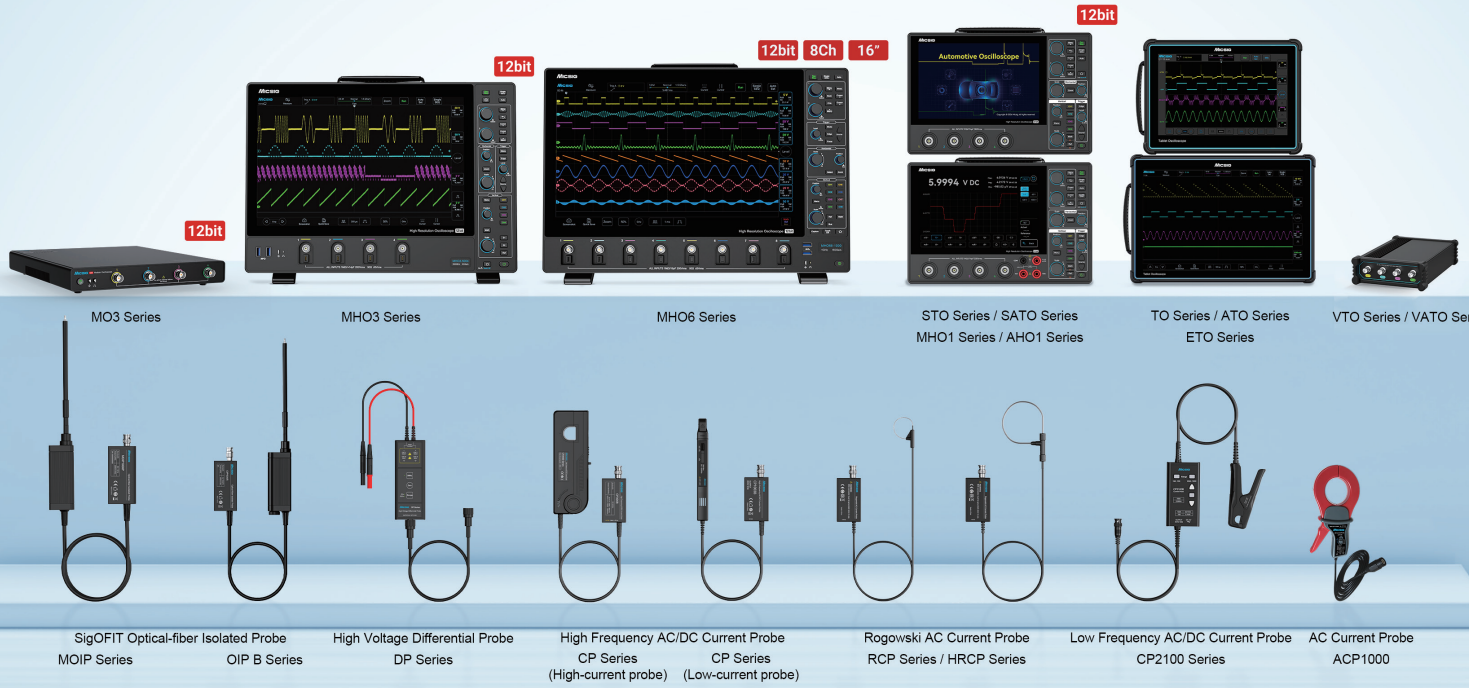
Testing Beyond Limits

Product Selection Guide

Optical-fiber Isolated Probe
High Voltage Differential Probe
Rogowski AC Current Probe
High Frequency AC/DC Current Probe
Low Frequency AC/DC Current Probe
AC Current Probe

High-resolution Oscilloscope
High-resolution Modular Oscilloscope
Tablet Oscilloscope
Automotive Oscilloscope
Android (USB) Oscilloscope



Shenzhen Micsig Technology Co., Ltd.

SigOFIT Optical Isolated Probe (Laser-powered)

MOIP Series					
Model	**MOIP1200P**	**MOIP1000P**	**MOIP500P**	**MOIP350P**	**MOIP200P**
Bandwidth	1.2GHz	1GHz	500MHz	350MHz	200MHz
Rise Time	≤350ps	≤450ps	≤800ps	≤ 1ns	≤ 1.5ns
CMRR	DC: 180dB 1.2GHz: 106dB	DC: 180dB 1GHz: 108dB	DC: 180dB 500MHz: 114dB	DC: 180dB 350MHz: 118dB	DC: 180dB 200MHz: 122dB
Differential Voltage Range	Standard: OP50(MMCX), ±25V OP5000(MCX), ±2500V				Standard: OP50(MMCX), ±25V
	Other test ranges customizable				
Noise	<0.45mVrms	<0.45mVrms	<0.3mVrms	<0.3mVrms	<0.3mVrms
Common Mode Voltage Range	85kVpk				
Fiber Cable Length	2m (Customizable)				
Interface	Standard BNC interface, compatible with all oscilloscope brands				
Key Features	• Automatic calibration: Ready for measurement upon power-on, no manual calibration required • Complete electrical isolation with isolation voltage up to 85 kV • Ultra-high common-mode rejection ratio (up to 180 dB) • High-speed response for accurate and reliable high-frequency signal measurement • Low noise and strong immunity to electromagnetic interference • DC gain accuracy better than 1% • Fiber length: 2 m (customizable fiber length available) • Compatible with various attenuators, supporting measurement from ±0.01 V to ±20 kV (differential-mode signals; measurement voltage range is customizable)				
Flexible Customization	• **Test Voltage Range (0.01V~20kV Ultra-High)** • **Continuous RF Ultra-HV Attenuator (5000V, 300kHz ~ 50MHz)** • **Attenuator Length (typical 20cm/1m)** • **Fiber Length (0.5m-10m)** • **SMA Adapter**				



200MHz-1.2GHz

1% Accuracy

Zero Drift

Calibration-Free

Power-Over-Laser

Excellent Amplitude-Frequency

BNC Interface

SigOFIT Optical Isolated Probe (Battery-powered)

OIP B Series			
Model	**OIP500B**	**OIP350B**	**OIP200B**
Bandwidth	500MHz	350MHz	200MHz
Rise Time	≤800ps	≤ 1ns	≤ 1.5ns
CMRR	DC: 180dB 500MHz: 114dB	DC: 180dB 350MHz: 118dB	DC: 180dB 200MHz: 122dB
Differential Voltage Range	Standard: OP50(MMCX), ±25V OP5000(MCX), ±2500V		Standard: OP50(MMCX), ±25V
	Other test ranges customizable		
Noise	<0.3mVrms	<0.3mVrms	<0.3mVrms
Common Mode Voltage Range	85kVpk		
Fiber Cable Length	2m (Customizable)		
Interface	Standard BNC interface, compatible with all oscilloscope brands		
Key Features	• Automatic calibration: Ready for measurement upon power-on, no manual calibration required • Complete electrical isolation with isolation voltage up to 85 kV • Ultra-high common-mode rejection ratio (up to 180 dB) • High-speed response for accurate and reliable high-frequency signal measurement • Low noise and strong immunity to electromagnetic interference • DC gain accuracy better than 1% • Fiber length: 2 m (customizable fiber length available) • Compatible with various attenuators, supporting measurement from ±0.01 V to ±20 kV (differential-mode signals; measurement voltage range is customizable)		
Flexible Customization	• **Test Voltage Range (0.01V~20kV Ultra-High)** • **Continuous RF Ultra-HV Attenuator (5000V, 300kHz ~** • **50MHz)** • **Attenuator Length (typical 20cm/1m)** • **Fiber Length (0.5m-10m)** • **SMA Adapter**		



200MHz-500MHz

1% Accuracy

Zero Drift

Calibration-Free

Battery-Powered

Excellent Amplitude-Frequency

BNC Interface

High Voltage Differential Probe

DP Series

Model	DP3005	DP1505	DP705
Bandwidth	500MHz	500MHz	500MHz
Differential Voltage (DC+AC PK) Max.	300V (100X) 3000V (1000X)	150V (50X) 1500V (500X)	70V (20X) 700V (200X)
Input Impedance	40MΩ||<0.63pF (differential) 20MΩ||<1.25pF (each input to ground)	17.6MΩ||<1.25pF (differential) 8.8MΩ||<2.5pF (each input to ground)	8MΩ||<1.25pF (differential) 4MΩ||<2.5pF (each input to ground)

Model	DP3003	DP1503	DP703
Bandwidth	300MHz	300MHz	300MHz
Differential Voltage (DC+AC PK) Max.	300V (100X) 3000V (1000X)	150V (50X) 1500V (500X)	70V (20X) 700V (200X)
Input Impedance	30MΩ||<0.8pF (differential) 15MΩ||<1.6pF (each input to ground)	13.2MΩ||<1pF (differential) 6.6MΩ||<2pF (each input to ground)	8MΩ||<2.5pF (differential) 4MΩ||<5pF (each input to ground)

Model	DP7002	DP3002	DP1502	DP702
Bandwidth	200MHz	200MHz	200MHz	200MHz
Differential Voltage (DC+AC PK) Max.	700V (100X) 7000V (1000X)	300V (100X) 3000V (1000X)	150V (50X) 1500V (500X)	70V (20X) 700V (200X)
Input Impedance	120MΩ||<0.8pF (differential) 60MΩ||<1.6pF (each input to ground)	30MΩ||<0.8pF (differential) 15MΩ||<1.6pF (each input to ground)	13.2MΩ||<1.8pF (differential) 6.6MΩ||<3.6pF (each input to ground)	6MΩ||<1.8pF (differential) 3MΩ||<3.6pF (each input to ground)

Model	DP7000	DP3000	DP1500	DP700
Bandwidth	100MHz	100MHz	100MHz	100MHz
Differential Voltage (DC+AC PK) Max.	700V (100X) 7000V (1000X)	300V (100X) 3000V (1000X)	150V (50X) 1500V (500X)	70V (20X) 700V (200X)
Input Impedance	120MΩ||<0.8pF (differential) 60MΩ||<1.6pF (each input to ground)	30MΩ||<0.8pF (differential) 15MΩ||<1.6pF (each input to ground)	13.2MΩ||<1.8pF (differential) 6.6MΩ||<3.6pF (each input to ground)	6MΩ||<1.8pF (differential) 3MΩ||<3.6pF (each input to ground)

General Specifications	
Accuracy (Typical)	Standard ±2% (Customizable ±1% accuracy)
CMRR	DC: >80dB, 100kHz: >60dB, 10MHz: >30dB, 100MHz: >26dB
Interface	Standard BNC interface, compatible with all oscilloscope brands
Key Features	• Bandwidth up to 500MHz: suitable for a wide range of testing scenarios • High-fidelity signal reproduction: excellent amplitude-frequency characteristics and common-mode rejection ratio for precise signal detail capture • Low loading measurement design: high input impedance and ultra-low input capacitance enhance measurement accuracy • Smart & convenient design: features one-second auto zero and flexible dual-range switching

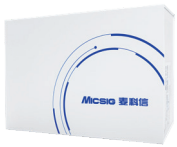


100MHz-500MHz

±2% Accuracy (Customizable ±1% accuracy)

BNC Interface

Flexible Customization



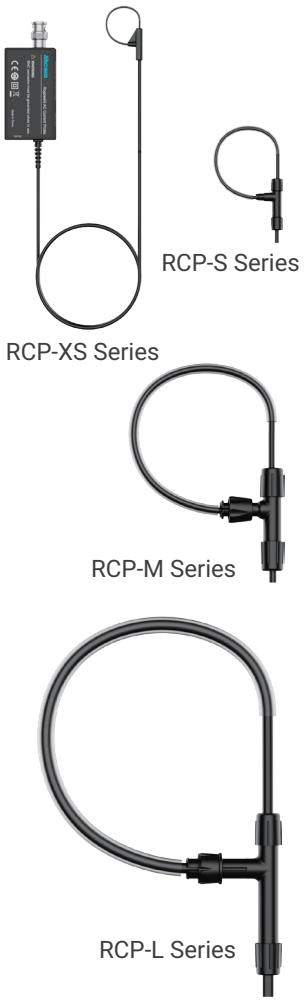
100MHz Package



200MHz-500MHz Package

Rogowski AC Current Probe

Model	RCP-XS Series		RCP-S Series		RCP-M Series		RCP-L Series
Coil Circumference	80mm	200mm	200mm	700mm	200mm	700mm	700mm
Measurable Conductor Diameter	≤20mm	≤60mm	≤60mm	≤220mm	≤60mm	≤220mm	≤220mm
Coil Cross-Section Diameter	1.6mm		3.0mm		4.5 mm		8.0mm
Wire Length	1.5m (integrator to Rogowski coil)						
Interface	Standard BNC interface, compatible with all oscilloscope brands						
Key Features	• Compact and flexible design, easy to plug in and out • Low insertion loss (only a few picohenries), no interference to the measured circuit, and supporting safe and non-destructive real-time monitoring • Slim coil circuit (smallest diameter only 1.6 mm), more suitable for current measurement of small packaged devices (such as MOSFETs and IGBTs) • Customized probe rings and cable lengths, meet various individual requirements						
Flexible Customization	**• Wire Length** **• Coil Cross-Sectional Diameter** **• Coil Circumference** **• Higher Current** **• Higher Working Temperature**						



The coil's cross-sectional diameter, circumference, and lead length are all customizable.

Model	HRCP-XS Series
Coil Circumference	80mm
Measurable Conductor Diameter	≤20mm
Coil Cross-Section Diameter	1.6mm
Wire Length	1.5m (integrator to Rogowski coil)
Interface	Standard BNC interface, compatible with all oscilloscope brands
Key Features	• Compact and flexible design, easy to plug in and out • Low insertion loss (only a few picohenries), no interference to the measured circuit, and supporting safe and non-destructive real-time monitoring • Slim coil circuit (diameter only 1.6 mm), more suitable for current measurement of small packaged devices (such as MOSFETs and IGBTs)



3Hz-100MHz
12000Apk
BNC Interface

The coil's cross-sectional diameter, circumference, and lead length are all customizable.

Rogowski AC Current Probe

RCP-XS Series (Typical coil cross-section diameter: 1.6 mm)						
Model	**RCP60XS-80**	**RCP120XS-80**	**RCP300XS-80**	**RCP600XS-80**	**RCP1200XS-80**	**RCP3000XS-80**
Peak Current	60Apk	120Apk	300Apk	600Apk	1200Apk	3000Apk
Bandwidth	70Hz-30MHz	34Hz-30MHz	10Hz-30MHz	8Hz-30MHz	5Hz-30MHz	4Hz-30MHz
Output Sensitivity	100mV/A (10X)	50mV/A (20X)	20mV/A (50X)	10mV/A (100X)	5mV/A (200X)	2mV/A (500X)
Peak Coil Isolation Voltage	1.5kVpk (Rogowski coil part only)					
Model	**RCP6000XS-80**	**RCP12000XS-80**	**RCP300XS-200**	**RCP600XS-200**	**RCP1200XS-200**	**RCP6000XS-200**
Peak Current	6000Apk	12000Apk	300Apk	600Apk	1200Apk	6000Apk
Bandwidth	4Hz-30MHz	2Hz-30MHz	14Hz-20MHz	7Hz-20MHz	5Hz-20MHz	3Hz-20MHz
Output Sensitivity	1mV/A (1000X)	0.5mV/A (2000X)	20mV/A (50X)	10mV/A (100X)	5mV/A (200X)	1mV/A (1000X)
Peak Coil Isolation Voltage	1.5kVpk (Rogowski coil part only)					

RCP***XS-80: Coil cross-section diameter 1.6 mm; coil length 80 mm.
RCP***XS-200: Coil cross-section diameter 1.6 mm; coil length 200 mm.

RCP-S Series (Typical coil cross-section diameter: 3.0 mm)				
Model	**RCP120S-200**	**RCP300S-200**	**RCP600S-200**	**RCP1200S-200**
Peak Current	120Apk	300Apk	600Apk	1200Apk
Bandwidth	14Hz-25MHz	7Hz-25MHz	5Hz-25MHz	5Hz-25MHz
Output Sensitivity	50mV/A (20X)	20mV/A (50X)	10mV/A (100X)	5mV/A (200X)
Peak Coil Isolation Voltage	3kVpk (Rogowski coil part only)			
Model	**RCP3000S-200**	**RCP6000S-200**	**RCP6000S-700**	**RCP12000S-700**
Peak Current	3000Apk	6000Apk	6000Apk	12000Apk
Bandwidth	3Hz-25MHz	2Hz-25MHz	3Hz-10MHz	2Hz-10MHz
Output Sensitivity	2mV/A (500X)	1mV/A (1000X)	1mV/A (1000X)	0.5mV/A (2000X)
Peak Coil Isolation Voltage	3kVpk (Rogowski coil part only)			

RCP***S-200: Coil cross-section diameter 3.0 mm; coil length 200 mm.
RCP***S-700: Coil cross-section diameter 3.0 mm; coil length 700 mm.

Rogowski AC Current Probe

RCP-M Series (Typical coil cross-section diameter: 4.5 mm)

Model	RCP120M-200	RCP300M-200	RCP600M-200	RCP1200M-200
Peak Current	120Apk	300Apk	600Apk	1200Apk
Bandwidth	14Hz-25MHz	7Hz-25MHz	5Hz-25MHz	5Hz-25MHz
Output Sensitivity	50mV/A (20X)	20mV/A (50X)	10mV/A (100X)	5mV/A (200X)
Peak Coil Isolation Voltage	5kVpk (Rogowski coil part only)			

Model	RCP3000M-200	RCP6000M-200	RCP6000M-700	RCP12000M-700
Peak Current	3000Apk	6000Apk	6000Apk	12000Apk
Bandwidth	3Hz-25MHz	2Hz-25MHz	3Hz-10MHz	2Hz-10MHz
Output Sensitivity	2mV/A (500X)	1mV/A (1000X)	1mV/A (1000X)	0.5mV/A (2000X)
Peak Coil Isolation Voltage	5kVpk (Rogowski coil part only)			

RCP***M-200: Coil cross-section diameter 4.5 mm; coil length 200 mm.
RCP***M-700: Coil cross-section diameter 4.5 mm; coil length 700 mm.

RCP-L Series (Typical coil cross-section diameter: 8 mm)

Model	RCP600L-700	RCP1200L-700	RCP3000L-700	RCP6000L-700	RCP12000L-700
Peak Current	600Apk	1200Apk	3000Apk	6000Apk	12000Apk
Bandwidth	8Hz-10MHz	6Hz-10MHz	4Hz-10MHz	3Hz-10MHz	2Hz-10MHz
Output Sensitivity	10mV/A (100X)	5mV/A (200X)	2mV/A (500X)	1mV/A (1000X)	0.5mV/A (2000X)
Peak Coil Isolation Voltage	10kVpk (Rogowski coil part only)				

RCP***L-700: Coil cross-section diameter 8.0 mm; coil length 700 mm.

HRCP-XS Series (Typical coil cross-section diameter: 1.6 mm)

Model	HRCP60XS-80	HRCP120XS-80	HRCP300XS-80	HRCP600XS-80
Peak Current	60Apk	120Apk	300Apk	600Apk
Bandwidth	150Hz-100MHz	80Hz-100MHz	40Hz-100MHz	20Hz-100MHz
Output Sensitivity	50mV/A (20X)	20mV/A (50X)	10mV/A (100X)	5mV/A (200X)
Peak Coil Isolation Voltage	3kVpk (Rogowski coil part only)			

Model	HRCP1200XS-80	HRCP3000XS-80	HRCP6000XS-200	HRCP12000XS-200
Peak Current	1200Apk	3000Apk	6000Apk	12000Apk
Bandwidth	10Hz-100MHz	5Hz-100MHz	3Hz-100MHz	3Hz-100MHz
Output Sensitivity	2mV/A (500X)	1mV/A (1000X)	0.5mV/A (2000X)	0.2mV/A (5000X)
Peak Coil Isolation Voltage	3kVpk (Rogowski coil part only)			

HRCP***XS-80: Coil cross-section diameter 1.6 mm; coil length 80 mm.
For more information, please contact our sales representatives.

High Frequency AC/DC Current Probe

CP Series (High Current)		
Model	**CP1510**	**CP3008**
Bandwidth	DC~10MHz	DC~8MHz
Rise Time	≤ 46ns	≤ 53ns
Max. Current Input	150Arms, 300Apk	300Arms, 500Apk
Accuracy (DC)	±1% ±10mA (30A) ±1% ±100mA (150A)	±1% ±10mA (50A) ±1% ±100mA (300A)
Noise	<1.5mArms (30A) <10mArms (150A)	<1.5mArms (50A) <12mArms (300A)
Output Sensitivity	1V/10A (30A, 10X) 1V/100A (150A, 100X)	1V/10A (50A, 10X) 1V/100A (300A, 100X)
Model	**CP3005**	**CP5005**
Bandwidth	DC~5MHz	DC~5MHz
Rise Time	≤ 70ns	≤ 70ns
Max. Current Input	300Arms, 500Apk	500Arms, 750Apk
Accuracy (DC)	±1% ±10mA (50A) ±1% ±100mA (300A)	±1% ±10mA (75A) ±1% ±100mA (500A)
Noise	<1.5mArms (50A) <12mArms (300A)	<2.2mArms (75A) <20mArms (500A)
Output Sensitivity	1V/10A (50A, 10X) 1V/100A (300A, 100X)	1V/10A(75A, 10X) 1V/100A(500A, 100X)
General Specifications		
Max. Conductor Diameter	20mm	
Cable Length	2m (Customizable)	
Interface	Standard BNC interface, compatible with all oscilloscope brands	
Key Features	• High Bandwidth: 10MHz bandwidth covers high-frequency switching power supplies, inverters, and other scenarios • Maximum Measurement Current: 500Arms, 750Apk, supporting high-current surge testing • High Accuracy: 1% measurement accuracy ensures signal integrity • Dual-Range Design (75 A/500 A): Suitable for both small-current and large-current testing • One-Button Zero Calibration/Demagnetization: Simplifies operation and ensures accuracy • Intelligent Assistance: Supports overload and jaw closure indicator alarms • Safety Isolation Protection: Overcurrent protection design meets industrial-grade safety standards	



10MHz / 8MHz / 5MHz

500Arms, 750Apk

BNC Interface

High Frequency AC/DC Current Probe

CP Series (Small Current)			
Model	CP1503B	CP1003B	CP503B
Bandwidth	DC~150MHz	DC~100MHz	DC~50MHz
Rise Time	≤2.67ns	≤3.5ns	≤7ns
Max. Current Input	30Arms, 50Apk		
Accuracy (DC)	±1% ±1mA (5A), ±1% ±10mA (30A)		
Noise	<4mApp (5A), <30mApp (30A)		
Output Sensitivity	1V/1A (5A, 1X), 1V/10A (30A, 10X)		
Max. Conductor Diameter	5mm		
Cable Length	1m (Customizable)		
Interface	Standard BNC interface, compatible with all oscilloscope brands		
Key Features	• DC~150MHz Ultra-Wideband: Seamlessly captures HF signals with distortion-free waveform • ±1% High Precision + Ultra-Low Noise: Clearly displays faint signals • Dual-Range 5A/30A Design: Enables precise low-level measurements and high-current transient analysis • One-Touch Auto-Zero & Degaussing: Ensures fast, accurate measurements • Overload Protection: Prevents equipment damage, ensuring safety • Compact 5mm Clamp: Single-handed operation		



150MHz / 100MHz / 50MHz

1mA (5A), 10mA (30A)

BNC Interface

AC Current Probe

ACP1000			
Model	ACP1000		
Input	0.1~10A	0.1~100A	1~1000A
Rated Output	100mV/A	10mV/A	1mV/A
Frequency(Hz)	10Hz - 100kHz		
Accuracy grade	3% ± 10mV	2% ± 5mV	1% ± 1mV
Max. Conductor Diameter	52mm		
Interface	Standard BNC interface, compatible with all oscilloscope brands		



Low Frequency AC/DC Current Probe

CP2100 Series		
Model	**CP2100B**	**CP2100A**
Bandwidth	DC~2.5MHz	DC~800kHz
Rise Time	≤140ns	≤437.5ns
Ranges	10A/100A	
Output Sensitivity	0.1V/A (10A), 0.01V/A (100A)	
DC Accuracy	3%±50mA (10A), 4%±50mA (100A, 500mA~40Apk) 15% (100A, 40Apk~100Apk)	
Signal Delay	100ns	
Current Measurement Range	50mA~10Apk (10A, 10X), 1A~100Apk (100A, 100X)	
Max. Measuring Current	100Apk, 70.7Arms (DC+ACpk)	
Max. Conductor Diameter	13mm	
Interface	Standard BNC interface, compatible with all oscilloscope brands	
Key Features	• Optional 800kHz, 2.5MHz bandwidth • Switchable 10A/100A current range • Auto / Manual Zero adjustment • Compact & exquisite design, easy to use • Measures 13mm diameter conductor	



2.5MHz / 800kHz

10A/100A

BNC Interface

Passive Probe

MSP510	
Model	**MSP510**
Bandwidth	500MHz
Rise Time	≤ 800ps
Attenuation	1:10
Lenght	132cm±1.5cm



12 Bit High-resolution Oscilloscope

MHO6 Series			
Model	MHO68-1000	MHO68-500	MHO68-350
Bandwidth	1GHz	500MHz	350MHz
Rise Time	≤ 0.4ns	≤ 0.7ns	≤ 1ns
Analog Channels	8		
Display	16" full touch display, 1920*1200 resolution		
Dimension	443.6*307.2*37.6mm		
Key Features	• Simultaneous data saving on multi-channel • Advanced math and FFT function • Segmented storage function • USB 3.0/2.0 Host, USB Type-C, LAN, HDMI, Aux In/Out, 10 MHz clock signal In/Out • Bus decodes: RS-232/422/485/UART, CAN, CAN FD, LIN, SPI, I²C, ARINC429, 1553B		

12bit 8Ch



1GHz / 500MHz / 350MHz

6GSa/s

1.8Gpts

Side Thickness 3.76cm

MHO1 Series (Tablet)			
Model	MHO14-200	MHO14-100	MHO14-200N
Bandwidth	200MHz	100MHz	200MHz
Rise Time	≤1.75ns	≤3.5ns	≤1.75ns
Analog Channels	4		4
Multifunction Meter Accuracy	4⅝ Digits		/
Display	8" TFT LCD capacitive touch screen, 1280*800 pixels		
Dimension/Weight	265*174*31mm/1.73kg (with battery)		
Key Features	• Integrated 4⅝ Digits multimeter function (Optional) • Large-capacity battery • Supports power lock for safer carrying • Supports 6-digit hardware frequency counter • Support charging with power bank • USB 3.0 Host, USB Type-C, LAN, HDMI • Mobile APP, PC remote control, SCPI commands • Bus decodes: RS-232/422/485/UART, CAN, CAN FD, LIN, SPI, I²C, ARINC429, 1553B		

12bit





200MHz / 100MHz

1GSa/s

110Mpts

4⅝ Digits Multimeter (Optional)



Handbag Set



Suitcase Set

12 Bit High-resolution Oscilloscope

MHO3 Series

Model	MHO3-5004	MHO3-3504	MHO3-2504
Bandwidth	500MHz	350MHz	250MHz
Rise Time	≤ 0.7ns	≤1ns	≤1.4ns
Analog Channels	4		
Display	14" full touch display, 1920*1200 resolution		
Dimension	397*280*37.5mm		
Key Features	• Noise < 80μVrms • Advanced math and FFT function • High / low pass bandwidth filtering • Mobile APP, PC remote control, SCPI commands • USB 3.0 Host, USB Type-C, LAN, HDMI, Trigger out • Bus decodes: RS-232/422/485/UART, CAN, CAN FD, LIN, SPI, I²C, ARINC429, 1553B		

12bit



500MHz / 350MHz / 250MHz

3GSa/s

360Mpts

Side Thickness 3.75cm

MO3 Series (Modular)

Model	MO34-500 MO34-500Pro	MO34-350 MO34-350Pro	MO34-250 MO34-250Pro
Bandwidth	500MHz	350MHz	250MHz
Rise Time	≤0.7ns	≤1ns	≤1.4ns
Analog Channels	4		
Dimension	224.5*30*264.3mm		
Key Features	• HDMI direct connection: Plug-and-play, smooth interaction • Multi-Unit parallel: Supports multi-channel testing solutions, reducing usage costs • Remote control and automation: Supports PC remote control and SCPI commands • Ultra-thin design: Only 3 cm high, saving desktop space and easily fitting into racks • Baseline noise of less than 85μVrms		
MO3 Pro Series Additional Features	**• Includes specialized software designed for system integration • Supports SFP+ mode for high-speed data transmission • High-speed data transmission: Stable and efficient transfer, ideal for test system integration**		

12bit



500MHz / 350MHz / 250MHz

3GSa/s

360Mpts

12 Bit High-resolution Oscilloscope

STO Series (Tablet) (Without Multimeter)

	Before Upgrade		After Upgrade	
Model	STO2002 (To be upgraded)	STO1004 (To be upgraded)	MHO14-200N (Upgraded from STO2002)	STO1004 (Upgraded from STO1004)
Bandwidth	200MHz	100MHz	200MHz	100MHz
Analog Channels	2	4	4	4
Sampling Rate	1GSa/s		1GSa/s	
Memory Depth	70Mpts		110Mpts	
Vertical Resolution	8bit		12bit	
Battery	Removable Li-ion battery		Built-in high-capacity Li-ion battery	
Display	Industrial 8" TFT-LCD, 800*600 pixels		8" TFT LCD capacitive touch screen, 1280*800 pixels	
Dimension/Weight	265*192*50mm/1.9kg (with battery)		265*174*31mm/1.68kg (with battery)	
Key Features	• Large-capacity battery • Supports power lock for safer carrying • Supports 6-digit hardware frequency counter • Supports charging with power bank • USB 3.0 Host, USB Type-C, LAN, HDMI • Mobile APP, PC remote control, SCPI commands • Bus decodes: RS-232/422/485/UART, CAN, CAN FD, LIN, SPI, I²C, ARINC429, 1553B			

Upgrade

12bit



After Upgrade

200MHz / 100MHz

1GSa/s

110Mpts

12bit

Large-capacity Battery

1280*800 Pixels



Before Upgrade

200MHz / 100MHz

1GSa/s

70Mpts

8bit

Large-capacity Battery

800*600 Pixels

For more information, please contact our sales team.

8 Bit Tablet Oscilloscope

ETO Series		
Model	**ETO5004**	**ETO3504**
Bandwidth	500MHz	350MHz
Rise Time	≤0.7ns	≤1ns
Analog Channels	4	
Display	14" full touch display, 1920*1200 resolution	
Dimension	353*245*56mm	
Key Features	• Noise < 90μVrms • Advanced math and FFT functions • Built-in large battery, easy for lab and field using • Mic-OPI™ probe interface, auto probe compensation • Supports mobile, PC remote control and SCPI commands • Bus decodes: RS-232/422/485/UART, CAN, CAN FD, LIN, SPI, I²C, ARINC429, 1553B	



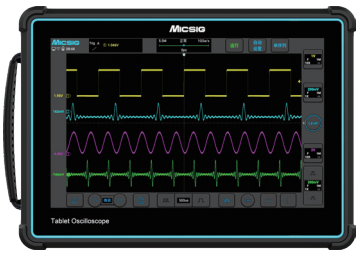
500MHz / 350MHz

3GSa/s

360Mpts

Large-capacity Battery

TO Series	
Model	**TO2004**
Bandwidth	200MHz
Rise Time	≤1.75ns
Analog Channels	4
Display	10.1“ LCD capacitive touch display, 1280*800 resolution
Dimension/Weight	265*192*50mm/1.9kg (with battery)
Key Features	• Excellent connectivity: HDMI, USB 3.0/2.0 Host, USB Type-C • Innovative PC & phone App remote control • Up to 5h battery life & compact size, perfect for field work • Supports Wi-Fi, USB, computer control and SCPI • Power-off switch lock, safe to travel and store • Bus decodes: RS-232/422/485/UART, CAN, CAN FD, LIN, SPI, I²C, ARINC429, 1553B



200MHz

2GSa/s

220Mpts

Large-capacity Battery

12 Bit High-resolution Automotive Oscilloscope

AHO1 Series	
Model	**AHO14-200**
Bandwidth	200MHz
Rise Time	≤1.75ns
Analog Channels	4
Multifunction Meter Accuracy	4⅝ Digits
Display	8" TFT LCD capacitive touch screen, 1280*800 pixels
Dimension/Weight	265*174*31mm / 1.73kg (with battery)
Key Features	• Integrated 4⅝-digit multimeter function • Pre-configured automotive diagnostic functions, compatible with all vehicle models • Supports actuator testing, comprehensive primary and secondary ignition circuit tests • Built-in battery for more convenient vehicle body diagnostics • Compact and lightweight, ideal for automotive diagnostics • Comes with a full set of automotive repair accessories for more accurate measurements • Bus decodes: RS-232/422/485/UART, CAN, CAN FD, LIN, SPI, I²C, ARINC429, 1553B
Auto-diagnostic Presets	• Charging/Start Circuit: 12V&24V charging, Alternator AC Ripple, Ford smart Alternator, 12V&24V Start, Cranking Current • Sensor: ABS, Accelerator Pedal, Air Flow Meter, Camshaft, Coolant Temperature, Crankshaft, Distributor, Fuel pressure, Knock, Lambda, MAP, Road Speed, Throttle Position • Actuators: Carbon Canister Solenoid Valve, Diesel Glow Plugs, EGR Solenoid Valve, Fuel Pump, Idle Speed Control Valve (IAC), Injector (Petrol), Injector (Diesel), Pressure Regulator, Quantity Control Valve, Throttle Servomotor, Variable-speed Cooling Fan, Variable Valve Timing • Ignition: Primary, Secondary, Primary + Secondary • Networks: CAN High & CAN Low, CAN FD, FlexRay, K-Line • Combination Tests: Crankshaft + Camshaft, Camshaft + Primary Ignition, Primary ignition + Injector Vol, Crankshaft + Camshaft + Injector Vol.+ Secondary Ignition • Pressure Tests: Intake Manifold, Exhaust Tailpipe, In-Cylinder, In-Crankcase

12bit



200MHz

1GSa/s

110Mpts

4⅝ Digits Multimeter

General / Automotive Dual Software



Standard Kit



Master Kit

12 Bit High-resolution Automotive Oscilloscope

SATO Series (Without Multimeter)

	Before Upgrade	After Upgrade
Model	SATO1004 (To be upgraded)	SATO1004 (Upgraded from SATO1004)
Bandwidth	100MHz	100MHz
Analog Channels	4	4
Sampling Rate	1GSa/s	1GSa/s
Memory Depth	70Mpts	110Mpts
Vertical Resolution	8bit	12bit
Battery	Removable Li-ion battery	Built-in high-capacity Li-ion battery
Display	Industrial 8" TFT-LCD, 800*600 pixels	8" TFT LCD capacitive touch screen, 1280*800 pixels
Dimension/Weight	265*192*50mm / 1.9kg (with battery)	265*174*31mm / 1.68kg (with battery)
Key Features	• Pre-configured automotive diagnostic functions, compatible with all vehicle models • Supports actuator testing, comprehensive primary and secondary ignition circuit tests • Built-in battery for more convenient vehicle body diagnostics • Compact and lightweight, ideal for automotive diagnostics • Comes with a full set of automotive repair accessories for more accurate measurements • Bus decodes: RS-232/422/485/UART, CAN, CAN FD, LIN, SPI, I²C, ARINC429, 1553B	
Auto-diagnostic Presets	• Charging/Start Circuit: 12V&24V charging, Alternator AC Ripple, Ford smart Alternator, 12V&24V Start, Cranking Current • Sensor: ABS, Accelerator Pedal, Air Flow Meter, Camshaft, Coolant Temperature, Crankshaft, Distributor, Fuel pressure, Knock, Lambda, MAP, Road Speed, Throttle Position • Actuators: Carbon Canister Solenoid Valve, Diesel Glow Plugs, EGR Solenoid Valve, Fuel Pump, Idle Speed Control Valve (IAC), Injector (Petrol), Injector (Diesel), Pressure Regulator, Quantity Control Valve, Throttle Servomotor, Variable-speed Cooling Fan, Variable Valve Timing • Ignition: Primary, Secondary, Primary + Secondary • Networks: CAN High & CAN Low, CAN FD, FlexRay, K-Line • Combination Tests: Crankshaft + Camshaft, Camshaft + Primary Ignition, Primary ignition + Injector Vol, Crankshaft + Camshaft + Injector Vol.+ Secondary Ignition • Pressure Tests: Intake Manifold, Exhaust Tailpipe, In-Cylinder, In-Crankcase	

12bit



After Upgrade

100MHz

1GSa/s

110Mpts

12bit

High-capacity Li-ion Battery

1280*800 Pixels



Before Upgrade

100MHz

1GSa/s

70Mpts

8bit

Removable Li-ion battery

800*600 Pixels



Standard Kit



Master Kit

For more information, please contact our sales team.

Automotive Oscilloscope

ATO Series	
Model	ATO2004
Bandwidth	200MHz
Rise Time	≤1.75ns
Analog Channels	4
Display	10.1" LCD capacitive touch display, 1280*800 resolution
Dimension/Weight	265*192*50mm/1.9kg (with battery)
Key Features	• Professional automotive diagnostic tests • Excellent connectivity: HDMI, USB 3.0/2.0 Host, USB Type-C • Innovative PC & phone App remote control • Up to 5h battery life & compact size, perfect for field work • Supports Wi-Fi, USB, computer control and SCPI • Power-off switch lock, safe to travel and store • Bus decodes: RS-232/422/485/UART, CAN, CAN FD, LIN, SPI, I²C, ARINC429, 1553B



200MHz

2GSa/s

220Mpts

Large-capacity Battery

VATO Series	
Model	VATO2004
Bandwidth	200MHz
Rise Time	≤1.75ns
Analog Channels	4
Dimension/Weight	140*215*52mm/640g (with battery)
Key Features	• One step to diagnose, easy to test • Small size, light weight, perfect for outdoor test • Deep memory depth, capture all signal details • Multiple serial bus protocol triggering and decoding



200MHz

1GSa/s

50Mpts

Large-capacity Battery

About Micsig

Founded in 2012, Micsig Technology is a nationally recognized "specialized and innovative" enterprise. The company continuously pushes the boundaries of technology, focusing on oscilloscopes and probes while consistently driving industry innovation.

Micsig developed the industry's first fully touch-enabled tablet oscilloscope, challenging the bulky design of traditional instruments. The SigtestUI™ professional testing system, deeply customized based on Android, is the first platform purpose-built for testing scenarios—addressing engineers' core challenges around portability and usability and setting a new benchmark for portable test equipment.

Leveraging self-developed SigOFIT™ core technology, Micsig has achieved breakthroughs in its optical-fiber isolated probe, filling a critical gap in the market and pushing the performance frontier. This innovation solves the testing challenges of third-generation semiconductors (SiC/GaN) in high-voltage and high-interference environments.

Micsig has established a comprehensive product portfolio covering high-resolution oscilloscopes and a full range of precision probes, empowering key sectors such as renewable energy, energy storage, microgrids, electric vehicles, industrial power systems, rail transportation, motor drives, and digital energy.

Guided by its belief in "Testing Beyond Limits," Micsig continues to explore the frontiers of measurement precision—delivering highly accurate test and measurement solutions that customers worldwide trust and enabling a more efficient, intelligent, and controllable energy future.

Facebook LinkedIn YouTube Official Website

Shenzhen Micsig Technology Co., Ltd.

Tel: +86-(0)755-88600880 Email: sales@micsig.com Website: www.micsig.com

Add: 6F, Jinhuanyu Building, No. 56, Tiezai Rd, Bao'an District, Shenzhen, Guangdong, China.

Version: 202611