Micsig

PRODUCT CATALOG

Tablet Oscilloscope Creator

Optical-isolated Probe Innovator

- High Resolution Oscilloscope
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- Android Oscilloscope
- SigOFIT 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

Shenzhen Micsig Technology Co., Ltd. Email: sales@micsig.com Web: www.micsig.com

Micsig -- Tablet Oscilloscope Creator, Optical-isolated Probe Innovator

High Resolution Oscilloscope -- MHO 3 Series

HOT

P03-P05

500MHz bandwidth, 4 channels, 3GSa/s sampling rate, 360Mpts memory depth, 12-bit vertical resolution; 3.58cm ultra-thin design, arm/wall mounting capability, 14-inch touch screen with 1920*1200 high resolution, brings unparalleled oscilloscope operating experience.

Digital Storage Oscilloscope -- MDO Series

P06

500MHz bandwidth, 4 channels, 3GSa/s sampling rate, 360Mpts memory depth, 8-bit vertical resolution; 3.58cm ultra-thin design, arm/wall mounting capability, 14-inch touch screen with 1920*1200 high resolution, brings unparalleled oscilloscope operating experience.

Tablet Oscilloscope -- ETO Series

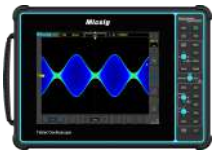
P07-P08

Micsig GEN 5 tablet oscilloscope, max 500MHz bandwidth, 3GSa/s sampling rate, 360Mpts memory depth, 14-inch full touch screen, large built-in battery, meets your daily measurement needs at ease.

Tablet Oscilloscope -- TO Series

P09

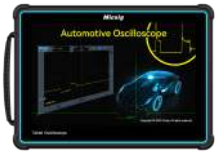
Professional portable oscilloscope, 10.1-inch full touch screen, 5-hour long battery life, 2/4 channels, max 300MHz bandwidth, max 2GSa/s sampling rate, equipped with Micsig dedicated SigtestUI ™ multitasking system, intuitive UI and Android OS help you use an oscilloscope like a smart phone.



Tablet Oscilloscope -- STO Series

P10

STO series has 8" touch screen with innovative physical button panel, max 200MHz bandwidth, 1GSa/s sampling rate, 70Mpts memory depth, 4 analog channels, comprehensive serial bus trigger and decoding options, easily learn to use in 5 minutes.



Automotive Oscilloscope -- ATO Series

P11-P12

Equipped with professional automotive diagnostic functions, ATO series has max 300MHz bandwidth, up to 2GSa/s sampling rate and 220Mpts memory depth, delivers most powerful signal capture and analysis capability for modern automotive diagnostics work.

Automotive Oscilloscope -- SATO Series

P11-P12

Equipped with professional automotive diagnostic functions, SATO series has max 200MHz bandwidth, 1GSa/s sampling rate and 70Mpts memory depth, 8" touch screen, built-in battery, making it one of the best auto-oscilloscope for beginners.

Android (USB) Oscilloscope -- VTO / VATO series

P13

An affordable, portable, split-type oscilloscope with compact design and built-in battery, 200MHz bandwidth, 4 analog channels, 1GSa/s sampling and 50Mpts memory depth, can be connected with any Android devices, Smartphone, tablet, PC etc.

Micsig -- Tablet Oscilloscope Creator, Optical-isolated Probe Innovator

SigOFIT Optical-fiber Isolated Probe

Best seller

P14-P16

Based on exclusive SigOFIT™ technology, the SigOFIT optical-fiber isolated probe has extremely high CMRR and isolation voltage, help to unveil the whole truth of the signal within bandwidth. Up to 1GHz bandwidth, 85kVpk common mode voltage, highest 180dB CMRR, with standard BNC interface.

High Voltage Differential Probe -- DP series

HOT

P17-P18

The DP series differential probe has very low noise floor, excellent high-voltage amplitude-frequency characteristics and industry-leading common mode rejection capability, allow users to test high-frequency and high-voltage signals with ease. Bandwidth: 100MHz~500MHz Differential voltage range: 700Vpk / 1500Vpk / 3000Vpk / 7000Vpk

Rogowski AC Current Probe -- RCP series

P19-P20

RCP measures AC currents up to 3000Apk, with bandwidth ranging from 3Hz to 30MHz, typical accuracy up to 1%, help to measure high-frequency, large current signals easily and accurately.

High Frequency AC / DC Current Probe -- CP series

P21

CP series helps to deliver accurate and efficient AC/DC current measurement; with accuracy up to 1%, 5A / 30A dual-range selection design makes it easy to measure small currents; universal BNC interface working with any oscilloscope.

Low Frequency AC / DC Current Probe -- CP2100 series

P22

CP2100 series is split compactly designed, with exquisite appearance and easy testing. Conductor diameter 13mm, suitable for all BNC interface oscilloscopes and is widely used in motor drives, power frequency, inverters, power supplies, avionics and other fields.

AC Current Probe -- ACP1000

P23

Bandwidth 10Hz-100kHz; Output current: 0.1-10A / 0.1-100A / 1-1000A; Standard BNC interface.

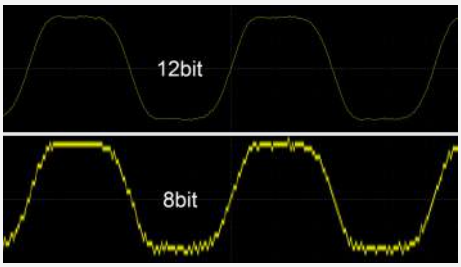
High Resolution Oscilloscope MHO 3 Series

- 12-bit vertical resolution
- Max. 500MHz bandwidth, noise floor < 80μVrms
- 3GSa/s sampling rate, 360Mpts memory depth
- 4 analog channels, standard BNC adapter
- 3.58cm ultra-thin design
- 14-inch 2K HD touch screen

- Simultaneous data saving on multi-channel
- High / Low pass bandwidth filtering
- 230,000 wfms/s waveform capture rate
- Segmented storage function
- Advanced math and FFT function
- Ultra-friendly UI, learn to use in 5 minutes
- Mic-OPI™ patented probe interface, automatic probe calibration
- Mobile APP, PC remote control, SCPI commands
- 32G internal storage to save large data
- Standard decodes: RS-232/422/485/UART, CAN, CAN FD,LIN, SPI, I²C, ARINC-429, MIL-STD-1553B

Features

12-bit vertical resolution

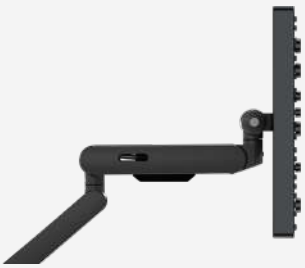


- 12-bit hi-re ADC with a quantization level of up to 4096, 16 times that of traditional 8-bit, presents unmatched waveform details.

Remote control

- Support PC and smartphone remote control, also have HDMI port for demonstration purpose. Support SCPI programming commands control, helping engineers achieve automated measurements more flexibly and efficiently.

Wall / Arm mounting



- 130 mm x 300 mm wall mount interface, convenient wall / arm mounting, flexible and space-saving on the desktop.

Various connections

- USB 3.0 Host, USB Type-C, LAN, Grounding, HDMI, Trigger out, etc.

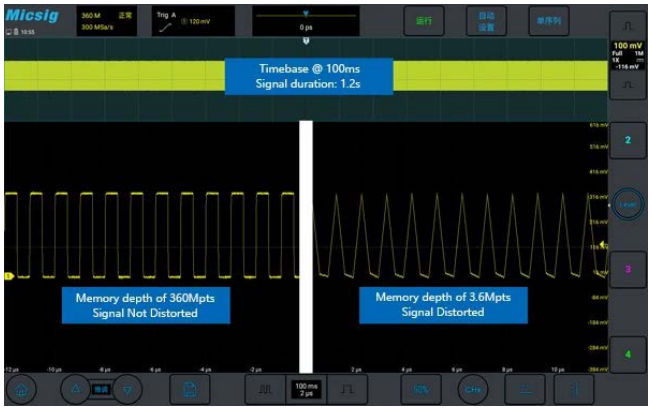
Mic-OPI™ probe interface

- Mic-OPI™ interface performs automatic probe compensation and calibration, standard BNC adapters help to connect with all BNC probes.

Key Specifications

Model	MHO3-5004	MHO3-3504	MHO3-2504
Bandwidth	500MHz	350MHz	250MHz
Rise time	≤0.7ns	≤1ns	≤1.4ns
Analog channels	4CH		
Sampling rate	3GSa/s		
Memory depth	360Mpts		
Waveform capture rate	230,000 wfms/s		
Noise	< 80μVrms		
Vertical resolution	12 bits		
Trigger types	Edge, Pulse Width, Logic, N Edge, Runt Pulse (Runt), Slope, Time Out, Video, Serial		
Bus decoding	RS-232/422/485/UART, CAN, CAN FD, LIN, SPI, I²C, ARINC429, 1553B		
Interfaces	USB 3.0 Host, USB type-C, LAN, HDMI, Trigger out		
Display	14" TFT LCD touch screen, 1920*1200 resolution		
Dimension / Net weight	400*280*35.8mm / 4.3kg		

Functions

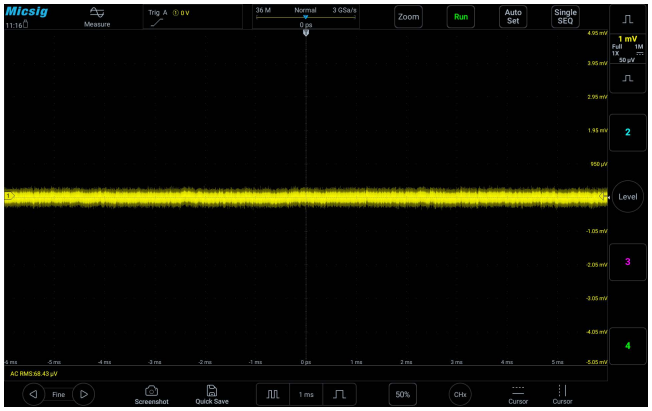


Deep memory

Insufficient memory depth often leads to distortion when long time- base signals were expanded. With memory depth of up to 360Mpts, there is no reduction in performance even with two channels opened at the same time. The signals will still maintain excellent fidelity even at long period of time.

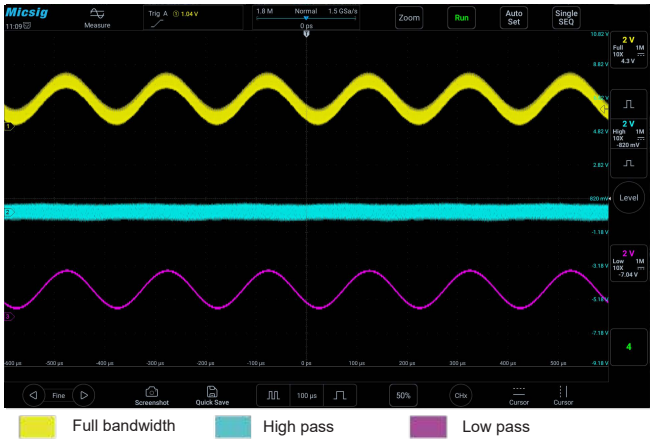
Segmented storage acquisition

The segmented storage function divides the limited storage space into multiple small segments and collects multiple trigger events into one storage space and allow to play back captured signals, effectively captures target signals multiple times over a long period of time.



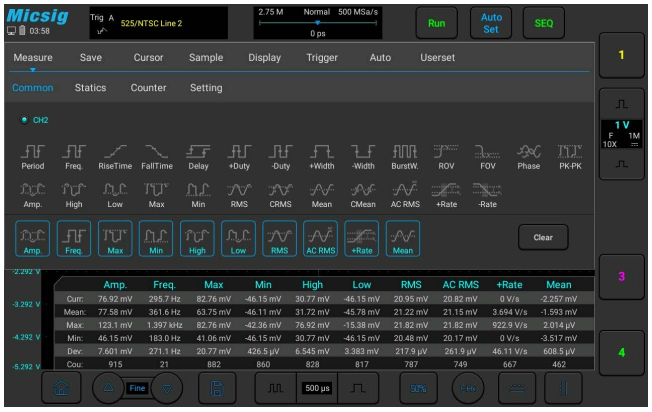
Low noise floor

Even at its full bandwidth of 500M, the noise floor of the MHO 3 series still less than 80μVrms, allow engineers accurately capture weak but important signals during daily circuit debugging and signal analysis.



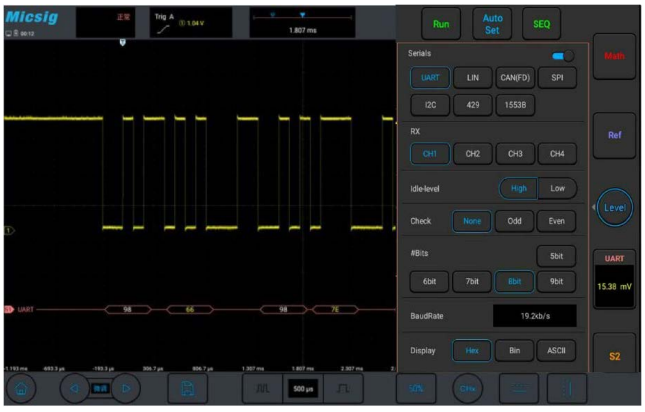
Hardware digital filtering

Digital filtering can selectively allow or block signal components within specific frequency ranges.



Statistics Measurement

Simultaneously calculate the average, maximum, minimum, and root mean square of 10 measurement items, with a max count of up to 10,000, every waveform data is accurately recorded, provide more accurate and comprehensive readings.



Serial bus decoding and analysis

Support 8 serial bus decodes: RS-232/422/485/ UART, CAN, LIN, CAN FD, SPI, I2C, ARINC-429, 1553B. With the TXT decoding text mode, the data can be transferred to CSV format.

Digital Storage Oscilloscope MDO Series

- Simultaneous data saving on multi-channel
- High / Low pass bandwidth filtering
- Standard segmented storage function
- Advanced math and FFT function
- Ultra-friendly UI, get to use in 5 minutes
- Mic-OPI™ probe interface, automatic probe calibration
- Mobile APP, PC remote control, SCPI commands
- 32G internal storage to save big data
- Standard decodes: RS-232/422/485/UART, CAN, CAN FD,LIN, SPI, I²C, ARINC-429, MIL-STD-1553B

Model	MDO5004	MDO3504	MDO2504
Bandwidth	500MHz	350MHz	250MHz
Rise time	≤0.7ns	≤1ns	≤1.4ns
Analog channels	4CH		
Sampling rate	3GSa/s		
Memory depth	360Mpts		
Waveform capture rate	230,000 wfms/s		
Noise	< 90μVrms		
Interfaces	USB 3.0 Host, USB type-C, LAN, HDMI, Trigger out		
Display	14" TFT LCD touch screen, 1920*1200 resolution		
Bus decoding (std.)	400*280*35.8mm / 4.3kg		

Tablet Oscilloscope ETO Series

- 4 analog channels
- 500MHz bandwidth
- 360Mpts memory depth
- 3GSa/s sampling rate
- 13400mAh Li-ion battery
- 14" touch screen, 1920 x 1200 resolution

- ▶ Intuitive user interface
- ▶ Support wireless remote control
- ▶ High pass, Low pass bandwidth filter
- ▶ Segmented storage function (10,000 events)
- ▶ Advanced math and FFT functions
- ▶ Built-in large battery, easy for lab and field using
- ▶ Mic-OPI™ probe interface, auto probe compensation
- ▶ Support mobile, PC remote control and SCPI commands
- ▶ 32G internal storage to store big data
- ▶ Standard RS-232/422/485/UART, CAN, CAN FD, LIN, SPI, I2C, and ARINC-429, MIL-STD-1553B serial decode

Features

Large battery

- Built-in large-capacity battery, perfect to use in the field. Special power lock designprevents accidental startup.

Remote control

- Support remote control via PC, mobile app, and HDMI screen projection. Support SCPI programming commands, helping engineers to conduct tests more flexibly andefficiently.

VESA mounting

- 75mm x 75mm standard VESA connector compatible with various wall mounts

Various interfaces

- Power button, ground plug, probe calibration output, USB3.0/2.0, HDMI,USB-C, charging port, power lock

Mic-OPI™ probe interface

- Mic-OPI™ interface performs automatic probe compensation and calibration,standard BNC adapters help to connect with all BNC probes.

Key Specifications

Model	ETO5004	ETO3504
Model	500MHz	350MHz
Analog channels	4CH	
Sampling rate	3GSa/s	
Memory depth	360Mpts	
Waveform capture rate	230,000 wfms/s	
Noise	< 90μVrms	
Trigger types	Edge, Pulse Width, Logic, Nth Edge, Runt, Slope, Time Out, Video, Serial	
Bus decoding	RS-232/422/485/UART, CAN, CAN FD, LIN, SPI, I²C, ARINC429, 1553B	
Interfaces	USB 3.0/2.0 Host, USB type-C, Ground, HDMI, Trigger out	
Display	14" integrated TFT LCD screen, 1920*1200 resolution	
Battery	7.4V / 13400mAh Li-ion Battery	
Dimensions / Net weight	353*245*56mm/3.6kg (with battery)	

Tablet Oscilloscope TO Series

- Max. 300MHz Bandwidth
- Max. 2GSa/s Sampling Rate
- Max. 220Mpts Memory Depth
- 10.1" Integrated Touchscreen
- 7500mAh Li-ion Battery
- 2/4 Analog Channels

Model	TO3004	TO2004	TO2002	TO1004
Bandwidth	300MHz	200MHz	200MHz	100MHz
Rise time	≤1.16ns	≤1.75ns	≤1.75ns	≤3.5ns
Analog channels	4	4	2	4
Max. Sampling rate	2GSa/s		1GSa/s	
Max. Memory depth	220Mpts		110Mpts	
Interfaces	Wi-Fi, USB 3.0/2.0 Hos, USB Type-C, HDMI, Trigger out			
Data storage	32G			
Display	10.1 Inch LCD capacitive touch display, 1280*800 resolution, 11*10 grids			
Size/Net weight	265*192*50mm / 1.9kg(with battery)			
Battery	7.4V, 7500mAh Li-Ion			

Tablet Oscilloscope STO Series

- 2/4 Analog Channels
- 70Mpts Memory Depth
- 7500mAH Li-ion Battery
- 100~200MHz Bandwidth
- 1 GSa/s Sampling Rate
- 8" Capacitive Touchscreen

Model	STO1004	STO2002
Bandwidth	100MHz	200MHz
Analog Channels	4	2
Rise time	≤3.5ns	≤1.75ns
Sampling Rate (Max.)	1GSa/s	
Memory Depth	70Mpts	
Waveform Capture Rate (Max.)	130,000 wfms/s	
Bandwidth Filter	20MHz, High Pass, Low Pass (to 30KHz)	
Interfaces	Wi-Fi, USB 3.0/2.0 Hos, USB Type-C, HDMI, Trigger out	
Display	Industrial 8" TFT-LCD (800*600), 14*10 divisions	
Dimension / Net Weight	265*192*50mm / 1.9kg (with battery)	
Battery	7.4V, 7500mAh, Li-ion	

Automotive Oscilloscope
SATO / ATO Series

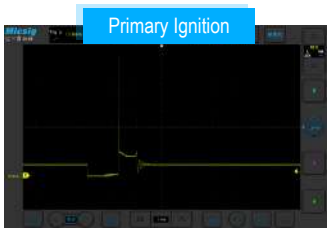
- Professional automotive diagnostic presets
- Support measurements for all vehicles
- Built-in 7500mAh large Li-ion battery
- Compact portable design, best for field work
- Robust oscilloscope functions

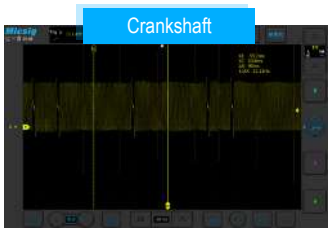
Model	SATO1004	SATO2002	ATO1004	ATO2002	ATO2004	ATO3004
Bandwidth	100MHz	200MHz	100MHz	200MHz	200MHz	300MHz
Analog Channels	4	2	4	2	4	4
Sampling Rate	1GSa/s		1GSa/s		2GSa/s	
Memory Depth	70Mpts		110Mpts		220Mpts	
Waveform Capture Rate (Max.)	130,000 wfms/s		78,000 wfms/s		300,000 wfms/s	
Bandwidth Filter	High Pass, Low Pass (to 30KHz)				High Pass, Low Pass (to 30Hz)	
Segmented storage	Not support				Support	
Support tests	Charging Circuits, Starter Circuits, Sensors, Actuators, Ignition, Networks (CAN, CAN FD, LIN, Flexray, K line), Combination test, Pressure test (ATO series only)					
Interfaces	Wi-Fi, USB 3.0/2.0 Host, USB type-C, Grounding, HDMI, Trigger out					
Display	8" TFT-LCD, 800*600 pixel		10.1" TFT-LCD, 1280*800 pixel			
Dimension / Net Weight	265*192*50mm / 1.9kg (with battery)					
Battery	7.4V, 7500mAh Li-ion					

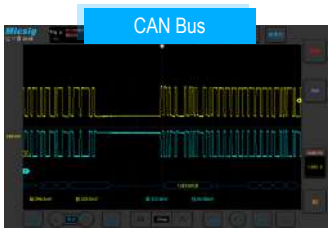
Features

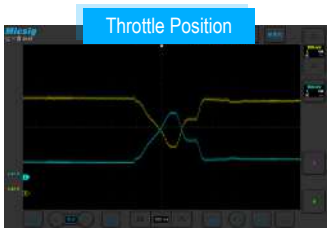
- Comprehensive auto diagnostic presets
- Powerful signal capture and analysis capability
- Various sensors / Actuators / CAN / LIN / Flexray / Ignitions
- Convenient storage: waveform/save pictures / video recording
- Support PC & Smartphone remote control
- Portable design with all-in-one functions
- HDMI function for training & education
- Life-long free software online update

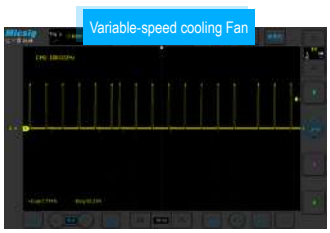
References

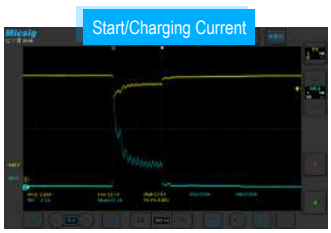


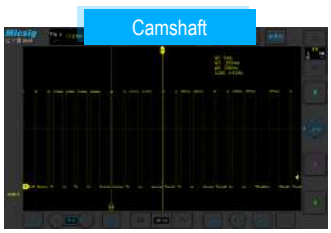


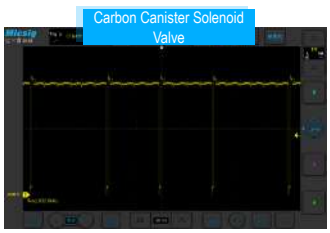












Standard Kit


2 x passive probe


2/4 BNC-Banana cable


power cord


2 x Alligator clips/pair


2 x soft pin probe/pair


power adapter


Battery (built-in)


screen protector

Master Kit


2 x passive probe


2/4 BNC-Banana cable


secondary ignition probe


2 x Alligator clips/pair


2 x soft pin probe/pair


Multimeter probe


power cord


power adapter


Suitcase


Battery (built-in)


screen protector

Android Oscilloscope
VTO / VATO Series

- 200MHz Bandwidth
- 50Mpts Storage Depth
- Supports CAN and LIN Bus Decoding
- Compatible with any Android device
- 1GSa/s sampling rate
- 4 Channels
- Built-in battery for day-long use
- Automotive-diagnostic functions -- **VATO**

Model	VTO2004	VATO2004
Bandwidth	200MHz	
Analog channels	4	
Rise Time	≤1.8ns	
Real-time sampling rate	1GSa/s	
Memory Depth	50Mpts	
DC Gain Accuracy	≤ 2%	
Input Impedance	1MΩ±1% || 14pF	
Power supply	USB Type-C, DC power	
Battery	7.4V, 7500mAh Lithium-ion battery	
Dimensions	140*215*52mm	
Net Weight	640g	

SigOFIT™ Optical-fiber Isolated Probe

Best probe for SiC and GaN test

Based on Micsig's exclusive SigOFIT™ technology, the SigOFIT probe is powered by laser, delivers extremely high CMRR and isolation voltage, unveils the whole truth of the signal within bandwidth.

Applications

- Design of motor drive, power converter, electronic ballast
- Design & analysis of GaN, SiC, IGBT Half/Full bridge devices
- Design of inverter, UPS and switching power supply
- Safety test for high voltage, high bandwidth applications
- Power device evaluation
- Current shunt measurements
- EMI & ESD troubleshooting
- Floating measurements

Product Features

Present True Signal

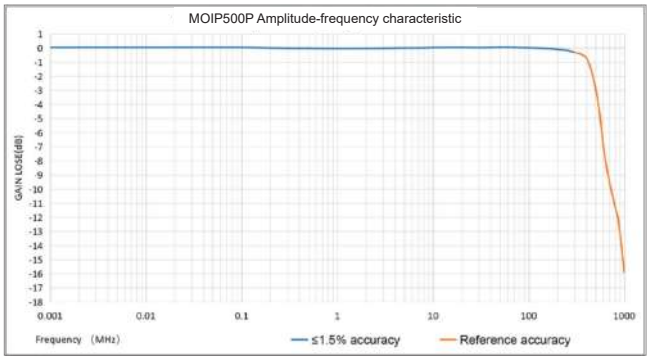
- SigOFIT probe delivers highest CMRR: over 128dB at 100MHz, up to 108dB at 1GHz. It's the ultimate referee of signal fidelity measured by other voltage probes.

Best Probe for Third-Gen Semiconductor

- Power device like SiC and GaN can switch high voltages in a few nanoseconds, containing very high-energy high-frequency harmonics. Even at the highest bandwidth, the SigOFIT probe still have over 100dB CMRR in max. bandwidth, perfectly suppress oscillation caused by high- frequency common-mode noise, it's the best choice for third-generation semiconductor test and measurement.

Highest Accuracy

- SigOFIT probe has excellent amplitude-frequency characteristics. DC gain accuracy ≤1%, while noise ≤ 0.45mVrms. Zero drift <0.1% (works 5 mins later), gain drift also <1%.



Safe to Test Gallium Nitride (GaN)

- The test leads of SigOFIT probe are short and with coaxial cable transmission, the input capacitance is as low as 1pF minimum, very safe to test GaN.

10X ~ 10000X

Wide Measurement Range

- Unlike traditional differential probes can only test high-voltage signals, SigOFIT probe can be used with different attenuator tips to test differential mode signals from ±0.01V to ±6250V, achieve full-range output and very high signal-to-noise ratio.

Compact & Simple

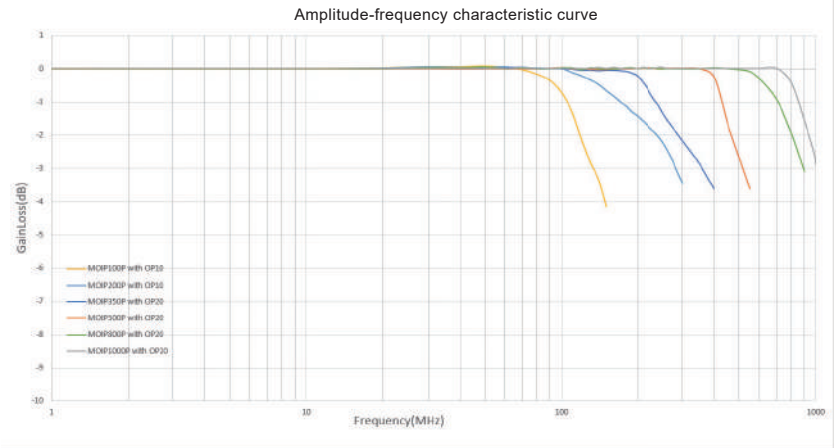
- Smaller size than traditional differential probes, more accurate probe tips, makes it much easier and flexible to use.

Efficient & Affordable

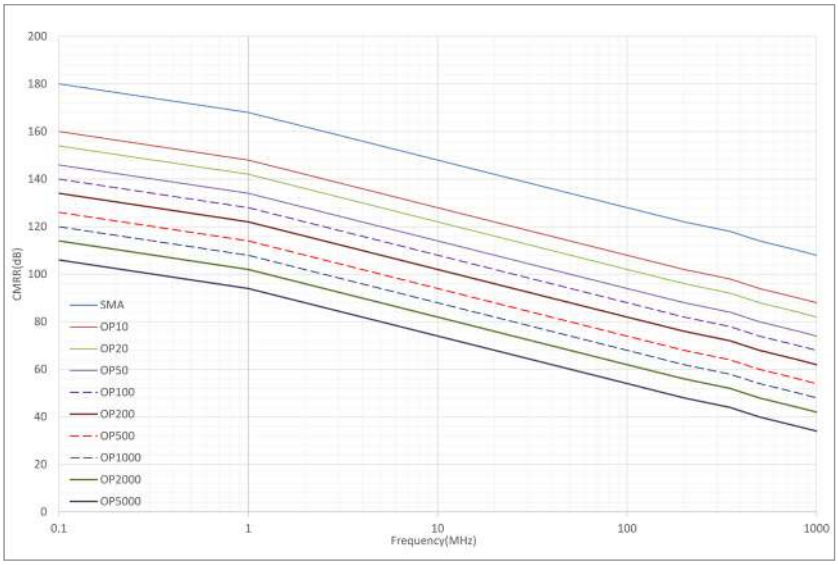
- Fastest response, can be tested immediately after power-on, Auto Calibration in less than 1 second, ensures accurate signal output in real time.

Key Specifications

Mode	MOIP100P	MOIP200P	MOIP350P	MOIP500P	MOIP800P	MOIP1000P
Bandwidth	100MHz	200MHz	350MHz	500MHz	800MHz	1GHz
Rise Time	≤3.5ns	≤1.75ns	≤1ns	≤700ps	≤438ps	≤350ps
CMRR	DC: 180dB 100MHz: 128dB	DC: 180dB 200MHz: 122dB	DC: 180dB 350MHz: 118dB	DC: 180dB 500MHz: 114dB	DC: 180dB 800MHz: 110dB	DC: 180dB 1GHz: 108dB
Differential Voltage Range	±6250V			±5000V		
Noise	< 0.45mVrms					
DC Gain Accuracy	1%					
Common Mode Voltage Range	85kVpk					
Interface	Standard BNC					



Amplitude-frequency characteristics of different SigOFIT probes

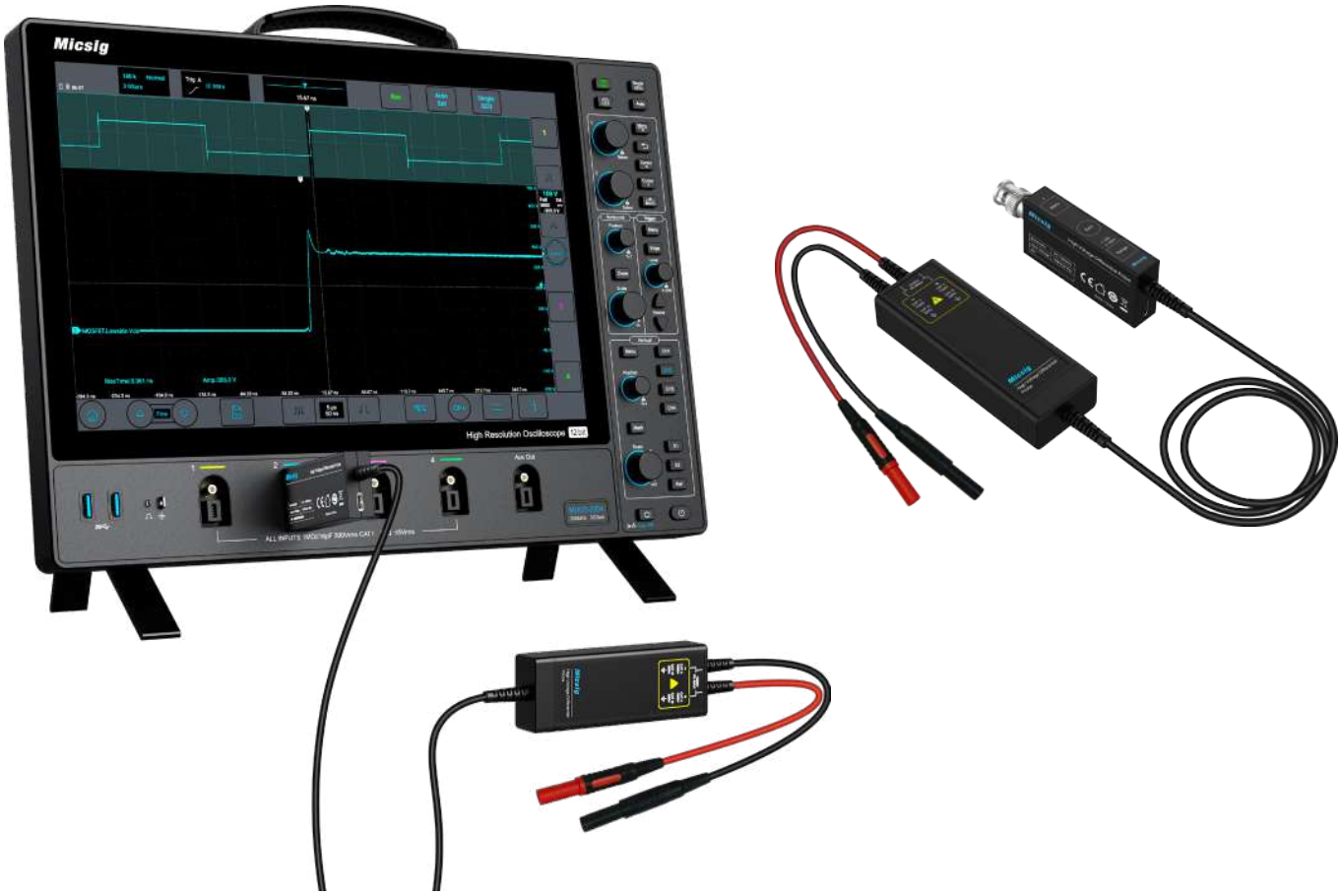


CMRR of different types of attenuators (0dB) at various frequencies.

High Voltage Differential Probe
DP Series

Originated from the cutting-edge SigOFIT™ technology, the DP series differential probe has excellent amplitude-frequency characteristics and industry-leading common mode rejection capability, allow users to test high-frequency and high-voltage signals with ease.

- High accuracy, high CMRR
- Quick Auto-Zero
- Standard BNC interface
- Up to 500MHz bandwidth
- Up to 7000Vpk differential voltage
- Compact & Exquisite design



Key Specifications

Max. input differential voltage (DC+AC PK)	70V (20X) 700V (200X)	150V (50X) 1500V (500X)	300V (100X) 3000V (1000X)	700V (100X) 7000V (1000X)	
	Bandwidth / Model				CMRR
100MHz	DP700	DP1500	DP3000	DP7000	DC: > -80dB 100kHz: > -60dB 10MHz: > -30dB 100MHz: > -26dB
150MHz	DP701	DP1501	DP3001	/	
200MHz	DP702	DP1502	DP3002	/	
300MHz	DP703	DP1503	DP3003	/	DC:>-80dB 100kHz:>-70dB 20MHz:>-40dB 120MHz:>-26dB
400MHz	DP704	DP1504	DP3004	/	
500MHz	DP705	DP1505	DP3005	/	

* **Remarks**:
Previous DP10007 upgraded to DP700;
Previous DP10013 upgraded to DP1500;
Previous DP20003 upgraded to DP7000;

Previous MDP series high-voltage differential probe has been renamed to DP series (as above) in July 2024;
Despite model name changed, the new DP series has identical specifications and performance with previous MDP series.

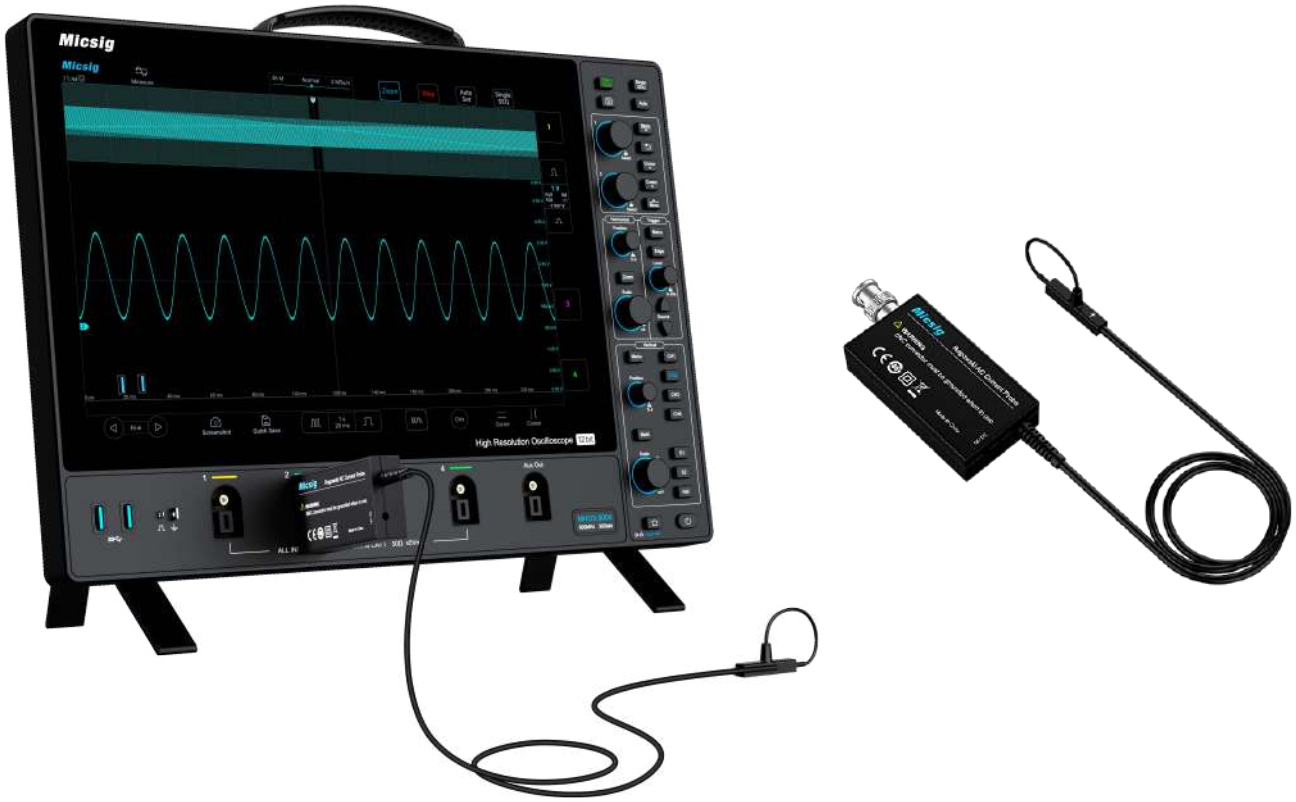
Other Specifications	
Accuracy	±2%
Overload alarm	LED flashes, Buzzer beeps
Size	Control module: 91*33*15mm (L*W*H) Signal module: 100*36*20mm (L*W*H)
Input Cable Length	Approx 8 cm
Output Cable Length	Approx 120 cm
Temperature	Working：0°C ~ 40 °C Non-working：-30 °C ~ 70 °C
Humidity	working: 5 ~ 85% RH（0°C ~ 40 °C） non-working: 5% ~ 85% RH（≤ 40 °C）； 5% ~ 45% RH（40 °C ~70 °C）

Rogowski AC Current Probe

RCP series

Measures AC currents up to 3000Apk, with bandwidth ranging from 3Hz to 30MHz, typical accuracy up to 1%, measures high-frequency, large current signals easily and accurately.

- Bandwidth: 3Hz-30MHz
- Accuracy (typical): 1%
- Output noise: ＜ 5mVpp
- Current Range: 20mApk-3000Apk
- Coil cross-section(diameter): 1.6mm
- Standard BNC Interface



Product Features

Smaller coil cross-section

The cross-sectional diameter of the coil is only 1.6mm, allow engineers measure current in most difficult-to-reach parts of the circuit, such as TO-220, TO-47.

Measure the Id current of MOSFET

Excellent high-frequency measurement capabilities, easily measures high-speed signals, able to observe HF harmonic components when measuring the Id current of MOSFET (as shown the oscillation section below).

Application

- Measurement of 50/60Hz power frequency current
- Measurement of harmonic components in the current
- Measurement of pin leg currents in MOSFET, IGBT devices
- Measurement of load current and high-order harmonic current in power electronics

Key Specifications

Model	RCP60XS	RCP300XS	RCP600XS	RCP1200XS	RCP3000XS
Bandwidth	85Hz-30MHz	10Hz-30MHz	10Hz-30MHz	12Hz-30MHz	3Hz-30MHz
Measurement range	20mApk-60Apk	200mApk-300Apk	200mApk-600Apk	600mApk-1200Apk	600mApk-3000Apk
Output sensitivity	100mV/A (10X)	20mV/A (50X)	10mV/A (100X)	5mV/A (200X)	2mV/A (500X)
Accuracy (typical)	1%	1%	1%	1%	1%
Peak di/dt	4kA/µs	20kA/µs	40kA/µs	70kA/µs	70kA/µs
Droop	65%/ms	9%/ms	6%/ms	3%/ms	2%/ms
Output Noise	<20mVpp	<18mVpp	<12mVpp	<5mVpp	<5mVpp
Peak coil isolation voltage	AC 2kVrms (1min) (50Hz/60Hz) (Rogowski coil part only)				
Coil cross-section diameter	1.6mm				
Interface	1MΩ BNC				

High Frequency AC/DC Current Probe

CP series

- AC/DC measuring capabilities
- Superior 1% DC accuracy (typical)
- Overload flashing light indicator
- 5A / 30A dual range selection
- Degaussing / Auto Zero setting
- Standard BNC interface

*Exterior design modified in June 2024

Model	CP503B	CP1003B
Bandwidth	50MHz	100MHz
Rise Time	≤7ns	≤3.5ns
Range	5Arms (5A) 30Arms (30A)	
Max. Current Input	50Apk, 100Apk-pk, 30Arms	
Accuracy (Max continuous current @ DC and 45-66Hz)	±1%, ±1mA (5A) ±1%, ±10mA (30A)	
Lowest measurable current	1mA (5A) 10mA (30A)	
Noise	< 4mApp (5A); < 30mApp (30A)	
Delay	< 6.5ns (5A); < 8.5ns (30A)	
Output Sensitivity	1V/1A (5A, 1X); 1V/10A (30A, 10X)	
Over-current alarm value	⩾ 5Apk (5A); ≥ 50ApK (30A)	
Max. Working Voltage	CAT I 300V	
Max. Conductor Diameter	5mm	
Overload Indicator	Flashing light	
Power Supply	DC 12V	

Low Frequency AC/DC Current Probe

CP2100 series

- Compact and reliable design
- Current Range: 10A / 100A
- Standard BNC Interface
- Bandwidth up to 2.5MHz
- USB power supply, no need extra adapter
- Classic & Cost-effective

Model	CP2100A	CP2100B
Bandwidth	DC~800kHz	DC~2.5MHz
Rise time	≤437.5ns	≤140ns
Range	10A/100A	
Output sensitivity	0.1V/A（10A） 0.01V/A（100A）	
DC accuracy (typical)	3%±50mA（10A） 4%±50mA（100A，500mA~40Apk） 15%（100A，40Apk~100Apk）	
Measuring range	50mA~10Apk（10A） 1A~100Apk（100A）	
Max measurable current	100Apk，70.7Arms（DC+ACpk） 200Apk-pk，70.7Arms（AC）	
Max working voltage	CAT III 300V CAT II 600V	
Max float voltage	CAT III 300V CAT II 600V	
Max conductor diameter	13mm	
Overload indication	Buzzer beeps and Button light flashes	
Supplied power	DC 5V	
Probe head size	11*6.1*2.5cm	
Control module size	10.8*5.6*2.6cm	
Total Length	228cm	

AC Current Probe -- ACP1000

- ▶ Clamp design
- ▶ Large current range
- ▶ High accuracy
- ▶ Suitable for all oscilloscopes
- ▶ Simple and efficient
- ▶ Easy AC measuring capabilities

Model	Input current (A)	Output signal	Frequency (Hz)	Rated load (Ohms)	Accuracy level
ACP1000	0.1-10A	100mV/A	10Hz-100kHz	≥100kΩ	3%±10mV
	0.1-100A	10mV/A			2%±5mV
	1-1000A	1mV/A			1%±1mV

Other Specifications	
Current range	0.1A-1000A
Max. pulse current	2000A (2s)
Working frequency	10Hz-100kHz
Accuracy (typical)	1%
Safety Level	CAT III 600V
Jaw diameter	52mm
Dimensions	111*216*45mm

ABOUT US

Tablet Oscilloscope Creator

Optical-isolated Probe Innovator

Shenzhen Micsig Technology Co., Ltd. is an industry-leading manufacturer and solution provider of signal test and measurement equipment, committed to the R&D of cutting-edge technologies in the field of oscilloscopes and peripheral products for 20 years, we have always been at the forefront of innovation and owned lots of technical patents and software copyrights.

Each of our innovations aims to break through the technical boundaries and explore new possibilities for industry development trends.

We created world-first full-touch tablet oscilloscope, smooth performance and ultimate user experience shocked the industry.

We launched the pioneering SigtestUI™, the only testing platform in the industry specifically designed for test and measurement instruments, making professional instruments lighter, smarter, and more stable.

We independently developed the SigOFIT™ technology, released industry-leading optical-fiber isolated probe and high-bandwidth high-voltage differential probe, brings a qualitative leap to the industry, making 3rd-Gen power semiconductors test no longer difficult.

We strive to serving global users with "Micsig Creation", keep building on value, constantly surpass ourselves and pursue excellence.

Micsig

Micsig

Shenzhen Micsig Technology Co., Ltd.

TEL: +86-(0)755-88600880
Email: sales@micsig.com
Web: www.micsig.com
Add: 1F, Bldg A, Huafeng International Robot Industrial Park,
Hangcheng Rd, Bao'an District, Shenzhen, Guangdong, China