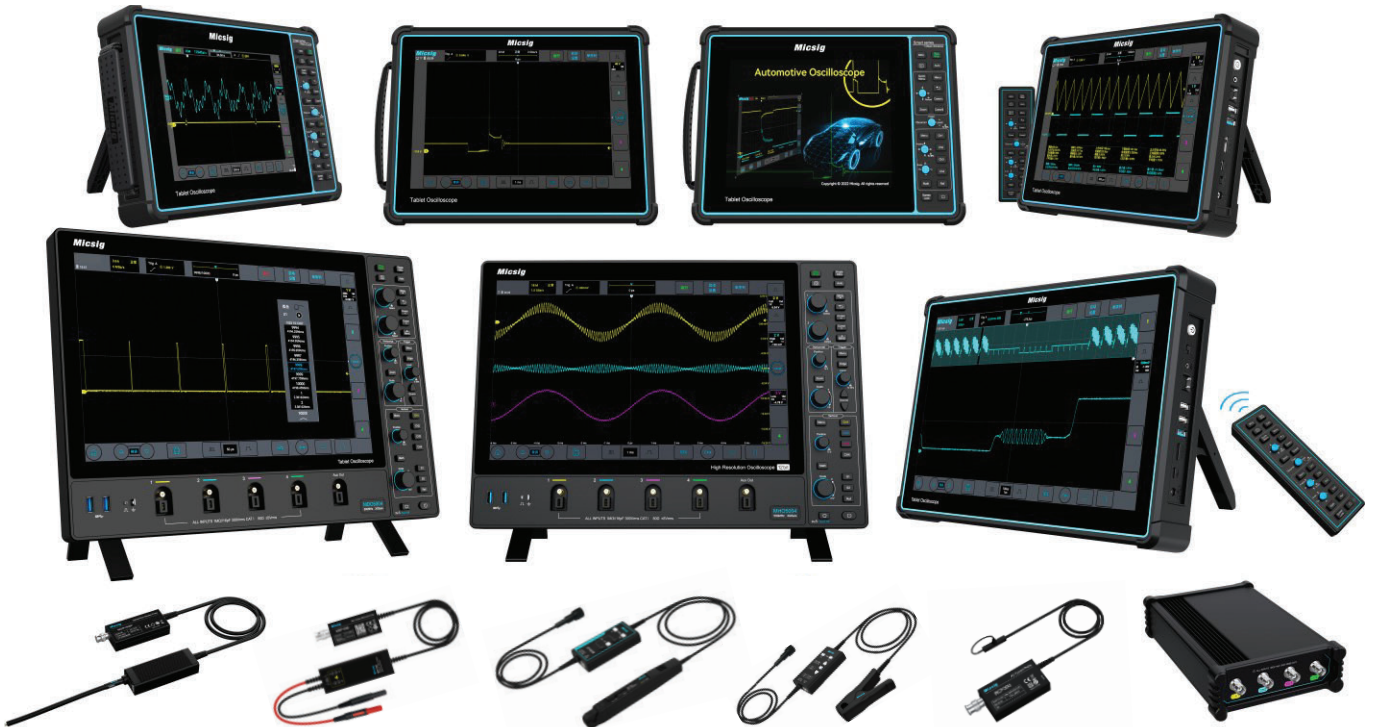


Unveil Real Signal You've Never Seen

High Resolution Oscilloscope  
Tablet Oscilloscope  
Automotive Oscilloscope  
Optical-fiber Isolated Probe  
High Voltage Differential Probe  
AC/DC Current Probe  
AC Current Probe

# PRODUCT CATALOG





# High Resolution Oscilloscope

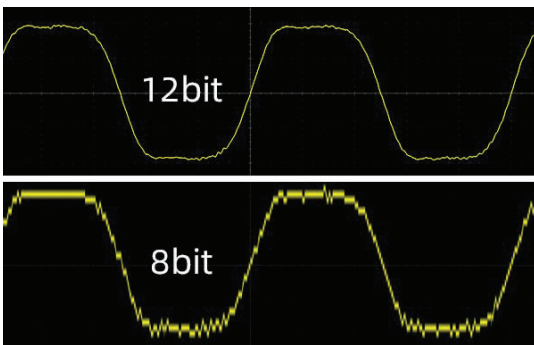
## MHO 3 series



12bit

3.58cm ultra-thin

Mic-OPi™ probe interface



- ▶ 12-bit vertical resolution
- ▶ 3.58cm ultra-thin design, support wall / arm mounting
- ▶ Mic-OPi™ probe interface, automatic probe calibration
- ▶ Noise floor less than 80µVrms
- ▶ 14" TFT touch display, 1920x1200 high definition
- ▶ Segmented storage acquisition
- ▶ USB 3.0 Host, USB-C, LAN, Ground, HDMI connections
- ▶ Standard ARINC-429, MIL-STD-1553B decoders

Model / Ordering Number	MHO3-5004	MHO3-3504	MHO3-2504
Bandwidth	500MHz	350MHz	250MHz
Rise time	≤ 0.7ns	≤ 1ns	≤ 1.4ns
Analog channels	4	4	4
Sampling rate	3GSa/s	3GSa/s	3GSa/s
Memory depth	360Mpts	360Mpts	360Mpts
Waveform capture rate	230,000 wfms/s	230,000 wfms/s	230,000 wfms/s
Vertical resolution	12 bits		
Noise	< 80µVrms		
Interfaces	USB 3.0 Host, USB type-C, LAN, HDMI, Trigger out		
Display	14" TFT LCD touch screen, 1920*1200 resolution		
Standard bus decoding	RS-232/422/485/UART, CAN, CAN FD, LIN, SPI, I <sup>2</sup> C, ARINC-429, MIL-STD-1553B		
Dimension / Net weight	400*280*35.8mm / 4.3kg		



# Digital Oscilloscope

## MDO series

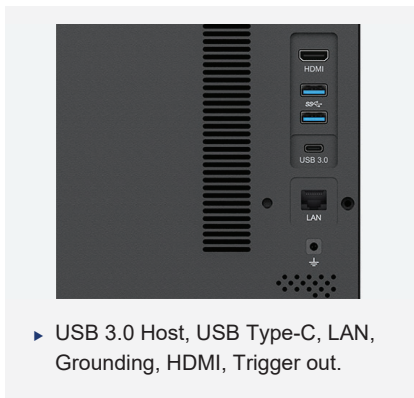


- ▶ Max. 500MHz bandwidth
- ▶ 360Mpts memory depth
- ▶ Mic-OPI™ probe interface, automatic probe calibration
- ▶ Noise floor < 90µVrms
- ▶ 14" TFT touch display, 1920x1200 high definition
- ▶ User-defined attenuation ratio setting
- ▶ USB 3.0 Host, USB-C, LAN, Ground, HDMI connections
- ▶ Standard ARINC-429, MIL-STD-1553B decoders

### Wall / arm mouting



### Complete connectivity



### Mic-OPI™ probe interface

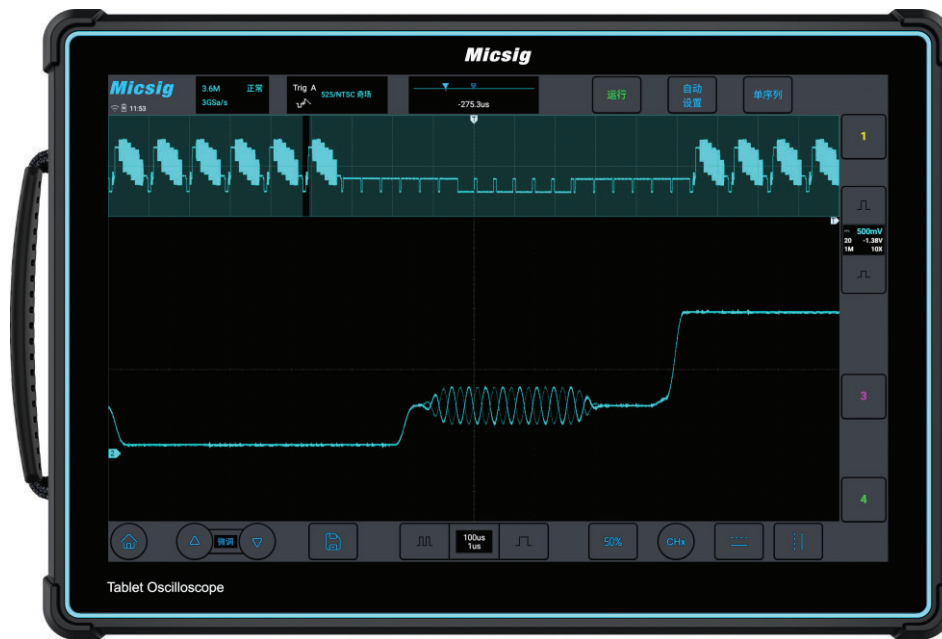


Model / Ordering Number	MDO5004	MDO3504	MDO2504
Bandwidth	500MHz	350MHz	250MHz
Rise time	≤ 0.7ns	≤ 1ns	≤ 1.4ns
Analog channels	4	4	4
Sampling rate	3GSa/s	3GSa/s	3GSa/s
Memory depth	360Mpts	360Mpts	360Mpts
Waveform capture rate	230,000 wfms/s	230,000 wfms/s	230,000 wfms/s
Vertical resolution	8 bits		
Noise	< 90µVrms		
Interfaces	USB 3.0 Host, USB type-C, LAN, HDMI, Trigger out		
Display	14" TFT LCD touch screen, 1920*1200 resolution		
Standard bus decoding	RS-232/422/485/UART, CAN, CAN FD, LIN, SPI, I <sup>2</sup> C, ARINC-429, MIL-STD-1553B		
Dimension / Net weight	400*280*35.8mm / 4.3kg		



# Tablet Oscilloscope

## ETO Series



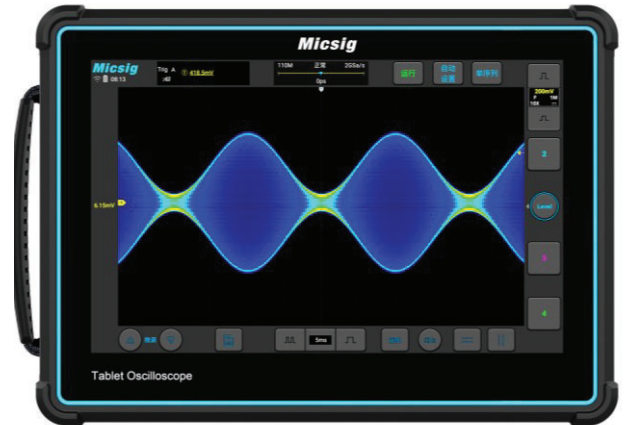
Model / Ordering Number	ETO5004	ETO3504
Bandwidth	500MHz	350MHz
Analog Channels	4	
Noise	< 90µVrms	
Sampling Rate (Max.)	3GSa/s	
Memory Depth (Max.)	360Mpts	
Vertical resolution	8 bits	
Waveform Capture Rate (Max.)	230,000 wfms/s	
Interfaces	USB 3.0/2.0 Host, USB type-C, Ground, HDMI, Trigger out	
Display	14" TFT LCD touch screen, 1920*1200 resolution	
Standard bus decoding	RS-232/422/485/UART, CAN, CAN FD, LIN, SPI, I <sup>2</sup> C, ARINC-429, MIL-STD-1553B	
Dimension / Battery	353*245*56 mm / 7.4V, 13500mAh	



# Tablet Oscilloscope

## TO Series

- ▶ Micsig dedicated SigtestUI™ multitasking system
- ▶ 10.1" integrated touchscreen with 1280\*800 resolution
- ▶ Intuitive UI & Android OS make sure to use at ease
- ▶ Standard bus protocols: UART, CAN(FD), LIN, SPI, I<sup>2</sup>C
- ▶ Built-in battery, works on the bench or in the field
- ▶ Statistics function and adjustable vertical scale fining
- ▶ Support Wi-Fi, HDMI, USB 3.0/2.0, USB Type-C
- ▶ Segmented Memory support to capture 10000 events



Model	TO3004	TO2004	TO2002	TO1004
Analog Channels	4	4	2	4
Bandwidth	300MHz	200MHz	200MHz	100MHz
Rise Time	≤ 1.16ns	≤ 1.75ns	≤ 1.75ns	≤ 3.5ns
Sampling Rate (Max.)	2GSa/s	2GSa/s	1GSa/s	1GSa/s
Memory Depth (Max.)	220Mpts		110Mpts	
Waveform Capture Rate	300,000 wfms/s		78,000 wfms/s	
Input Sensitivity Range	1mV/div~10V/div (1MΩ); 1mV/div~1V/div (50Ω)		1mV/div ~ 10V/div (1MΩ)	
Bandwidth limit	20MHz, High pass, Low pass (to 30Hz)		20MHz, High pass, Low pass (to 30KHz)	
Segmented Storage	Support (up to 10,000 Events)		Not support	
Input impedance	1MΩ / 50Ω		1MΩ	
Battery / Duration (typical)	7.4V, 7500mAh / 2H		7.4V, 7500mAh / 5H	
Interfaces	Wi-Fi, USB 3.0/2.0 Host, USB Type-C, Grounding, HDMI, Trigger out			
Vertical Resolution	8-bit			
Display	10.1-Inch TFT-LCD capacitive screen, 1280*800 resolution, 11*10 /divs			
Serial Bus Decoder	RS-232/422/485/UART, CAN, CAN FD, LIN, SPI, I <sup>2</sup> C			
Trigger Types	Edge, Pulse Width, Logic, Video, Time Out, Slope, Runt, N Edge			
Math	+, -, *, /, FFT, AX+B, Advanced Math			
Remote Control	PC Software, Smartphone App (iOS & Android), SCPI			
Dimension / Weight	265*192*50 mm / 1.9kg (with battery)			



# Tablet Oscilloscope

## Smart Series



- ▶ Robust hardware, intuitive Android operation system
- ▶ 32GB storage to save large data / videos
- ▶ Support Wi-Fi, HDMI, USB 3.0/2.0 Host/Type-C
- ▶ Bus decode: UART, CAN(FD), LIN, SPI, I<sup>2</sup>C
- ▶ 8" touchscreen + compact button panel operation
- ▶ Innovative PC & Smartphone App remote control
- ▶ Battery enabled & portable size for easy field work
- ▶ Power-off switch lock, safe to travel and store

Model / Ordering Number	STO1004	STO2002
Analog Channels	4	2
Bandwidth	100MHz	200MHz
Rise Time	≤3.5ns	≤1.75ns
Sampling Rate (Max.)	1GSa/s	
Memory Depth (Max.)	70Mpts	
Waveform Capture Rate (Max.)	130,000 wfms/s	
Input Sensitivity Range	1mV/div~10V/div (1MΩ)	
Internal Storage	32GB	
Vertical Resolution	8-bit	
I/O Ports	Wi-Fi, USB 3.0/2.0 Host, USB type-C, Grounding, HDMI, Trigger out	
Display	8" TFT-LCD capacitive touch screen (800*600), 14 x 10 divisions	
Trigger Types	Edge, Pulse Width, Logic, Video, Time Out, Slope, Runt, N Edge	
Serial Bus Decoding	Std: UART, LIN, CAN, SPI, I <sup>2</sup> C, CAN FD; Opt: MIL-STD-1553B, ARINC-429	
Bandwidth Filter	20MHz, High Pass, Low Pass (to 30KHz)	
Auto Measurements	31 types	
Remote Control	PC, Smartphone App (iOS & Android), SCPI	
Dimension / Weight	265*192*50 mm / 1.9kg (with battery)	
Battery (built-in) / Duration	7.4V, 7500 mAh Li-ion battery / 5H	



# Virtual Oscilloscope

## VTO Series



- ▶ Affordable with professional functions
- ▶ Easy to use on any Android (7.0 above) device
- ▶ Battery powered enables day-long field testing
- ▶ 50Mpts memory depth displays more details
- ▶ Support CAN, LIN bus decode

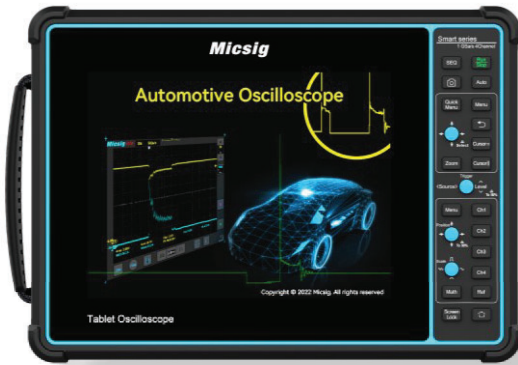


Model / Ordering Number	VTO2004
Analog Channels	4
Bandwidth	200MHz
Rise time	≤ 1.8ns
Sampling Rate (Max.)	1GSa/s
Memory Depth (Max.)	50Mpts
DC gain accuracy	≤ 2%
Interface	USB Type-C, DC power
Input sensitivity range	5mV/div~10V/div (1MΩ)
Platform	Android 7.0 or above (tablet, smartphone, Android-PC)
Bus decoding	CAN, LIN
Dimension / Battery (optional)	140*215*52mm / 7.4V, 7500mAh



# Automotive Oscilloscope

## SATO & ATO Series



SATO Series



ATO Series

-   
Auto Diagnostics
-   
IOS
-   
Android
-   
Touch Screen
-   
PC software
-   
Video Record
-   
HDMI
-   
Wi-Fi
-   
USB

Series	SATO Series		ATO Series			
Model	SATO1004	SATO2002	ATO1004	ATO2002	ATO2004	ATO3004
Analog Channels	4	2	4	2	4	4
Bandwidth	100MHz	200MHz	100MHz	200MHz	200MHz	300MHz
Sampling Rate (Max.)	1GSa/s	1GSa/s	1GSa/s	1GSa/s	2GSa/s	2GSa/s
Memory Depth (Max.)	70Mpts	70Mpts	110Mpts	110Mpts	220Mpts	220Mpts
Waveform Capture Rate (Max.)	130,000 wfms/s		78,000 wfms/s		300,000 wfms/s	
Display	8" TFT-LCD, 800*600 pixel		10.1" TFT-LCD, 1280*800 pixel			
Auto-Diagnostic Tests	Charging Circuits, Starter Circuits, Sensors, Actuators, Ignition, Networks (CAN, CAN FD, LIN, Flexray, K line), Combination Test					
Bandwidth Filter	20MHz, Low Pass (to 30KHz)				20MHz, Low Pass (to 30Hz)	
Bus Decoding	RS-232/422/485/UART, CAN, CAN FD, LIN, SPI, I <sup>2</sup> C					
I/O Ports	Wi-Fi, USB 3.0/2.0 Host, USB type-C, Grounding, HDMI, Trigger out					
Battery	7.4V, 7500mAh					
Dimension / Weight	265*192*50mm / 1.9kg (with battery)					



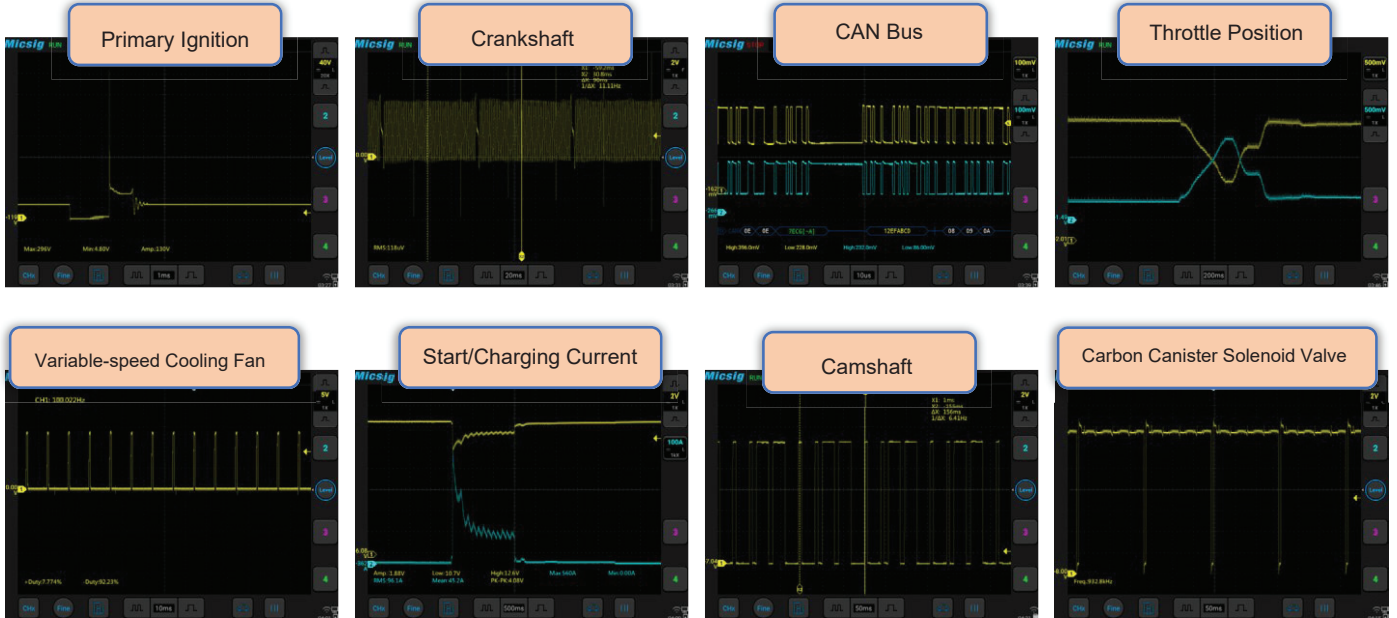


## Features

- ❖ Comprehensive auto diagnostic presets
- ❖ Powerful signal capture and analysis capability
- ❖ Support PC & Smartphone remote control
- ❖ Portable design with all-in-one functions
- ❖ HDMI function for training & education
- ❖ Life-long free software online update



## References



### SATO / ATO Standard Kit

	 2 x Passive probe	 2 pair x Test needle	 Power Cable
	 4 x BNC banana lines	 2 pair x Alligator clips	 Adapter

### SATO / ATO Master Kit

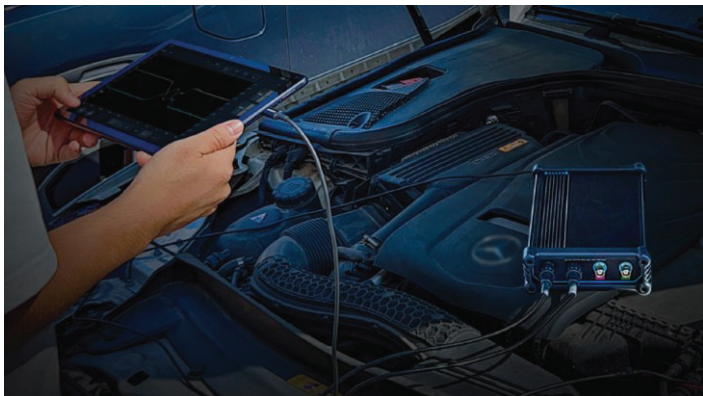
	 2 x Passive probe	 2 pair x Test needle	 Power Cable
	 4 x BNC banana lines	 2 pair x Alligator clips	 Adapter
	 Secondary Ignition Pickup	 Multimeter Probe	 Hardshell Suitcase



# Automotive Oscilloscope

## VATO Series

- ▶ 4 channels, 200MHz bandwidth
- ▶ 1GSa/s sampling, 50Mpts memory depth
- ▶ 7500mAh Li-ion battery
- ▶ Display on any Android (7.0 above) devices
- ▶ Comprehensive auto-diagnostic software
- ▶ Test any electronic system on any vehicle



- ◆ **Charging/Start Circuit:** 12V&24V Start, Cranking Current...
- ◆ **Sensor:** ABS, Camshaft, Crankshaft, MAP, Throttle Position...
- ◆ **Actuators:** EGR Solenoid Valve, Injector, cooling fan ...
- ◆ **Ignition:** Primary, Secondary, Primary + Secondary ...
- ◆ **Networks:** CAN High & CAN Low, FlexRay, K line ...
- ◆ **Combination Tests:** Camshaft + Primary Ignition ...

Model / Ordering Number	VATO2004
Analog Channels	4
Bandwidth	200MHz
Rise time	≤ 1.8ns
Sampling Rate (Max.)	1GSa/s
Memory Depth (Max.)	50Mpts
DC gain accuracy	≤ 2%
Interface	USB Type-C, DC power
Input sensitivity range	5mV/div~10V/div (1MΩ)
Platform	Android 7.0 or above (tablet, smartphone, PC)
Bus decoding	CAN, LIN
Dimension / Battery (optional)	140*215*52mm / 7.4V, 7500mAh



# Optical-fiber Isolated Probe

## SigOFIT OIP Series

With Micsig's exclusive SigOFIT™ optical isolation technology, the SigOFIT probe has extremely high CMRR and isolation voltage, unveils true signal within its full bandwidth range.

CMRR up to 180dB

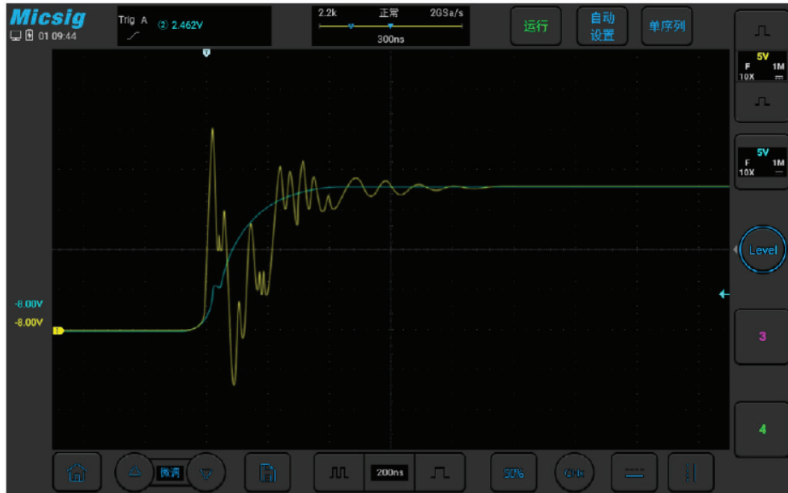
**Unveil  
Real Signal  
You've  
Never Seen**



- ▶ Bandwidth: **DC-1GHz**
- ▶ Common Mode Voltage: **85kVpk**
- ▶ DC Accuracy: **1%**
- ▶ Max Differential Voltage: **±6250V**
- ▶ Zero drift: **<0.1%**
- ▶ Noise floor: **<0.45mVrms**



## SigOFIT OIP Series



- CMRR up to 128dB at 100MHz, over 108dB at 1GHz
- DC gain accuracy up to 1%
- Safe to Test Gallium Nitride (GaN)

■ Differential Probe    
 ■ SigOFIT Probe

- Laser-powered, ensures long-time stable test
- Max. differential mode signal up to  $\pm 6250V$
- Compact design, simple to use



### Specifications

Model*	OIP100 (formerly MOIP01P)	OIP200 (formerly MOIP02P)	OIP350 (formerly MOIP03P)	OIP500 (formerly MOIP05P)	OIP800 (formerly MOIP08P)	OIP1000 (formerly MOIP10P)
Bandwidth	100MHz	200MHz	350MHz	500MHz	800MHz	1GHz
Rise Time	$\leq 3.5ns$	$\leq 1.75ns$	$\leq 1ns$	$\leq 700ps$	$\leq 438ps$	$\leq 350ps$
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
Output voltage range	$\pm 1.25V$	$\pm 1.25V$	$\pm 1.25V$	$\pm 500mV$	$\pm 500mV$	$\pm 500mV$
Max. differential voltage	$\pm 6250V$			$\pm 5000V$		
Noise	$< 0.45mVrms$			$< 0.45mVrms$		
Propagation delay	15.42ns (2m fiber)			16ns (2m fiber)		
Power Supply	12V/3A					
DC Gain Accuracy	1%					
Common Mode Voltage Range	85kVpk					
Cable Length	2m (customizable)					

\* Note: Model name has been updated in March, 2024. Refer to <https://www.micsig.com/SigOFIT/> for more information.



# High Voltage Differential Probe

## MDP Series



Originated from Micsig's cutting-edge SigOFIT™ technology, the MDP series probe has excellent amplitude-frequency characteristics and common mode rejection capability, allow users to test high-frequency, high-voltage signal with ease.

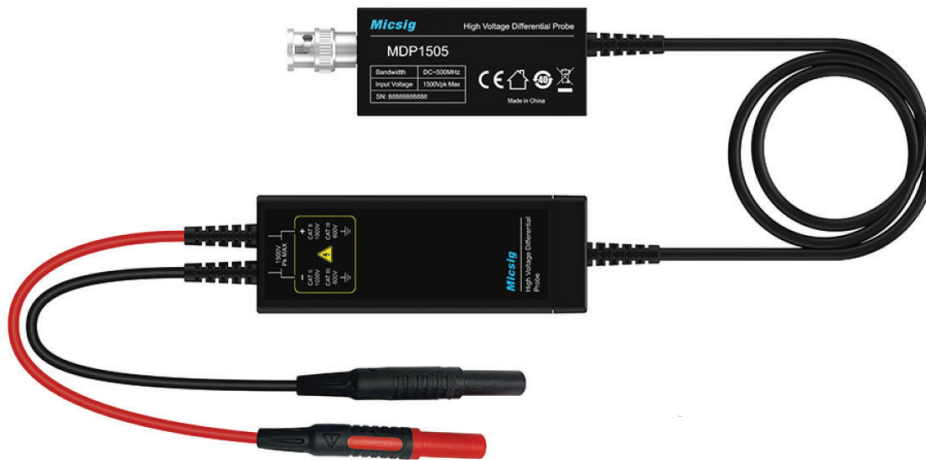
- High accuracy, high CMRR
- Max. differential voltage: 3000Vpk
- Up to 500MHz bandwidth
- 5MHz bandwidth limit (available on 100MHz~200MHz only)
- Standard BNC interface
- Compact & Exquisite design

### Specifications (100MHz ~ 200MHz)

Model	MDP700	MDP701	MDP702	MDP1500	MDP1501	MDP1502	MDP3000	MDP3001	MDP3002
Bandwidth	100MHz	150MHz	200MHz	100MHz	150MHz	200MHz	100MHz	150MHz	200MHz
Rise time	≤3.5ns	≤2.33ns	≤1.75ns	≤3.5ns	≤2.33ns	≤1.75ns	≤3.5ns	≤2.33ns	≤1.75ns
Attenuation	20X / 200X			50X / 500X			100X / 1000X		
Accuracy	±2%			±2%			±2%		
Max. Differential Voltage (DC+AC PK)	70V (20X) 700V (200X)			150V (50X) 1500V (500X)			300V (100X) 3000V (1000X)		
Max. Common Mode Input Voltage	CAT I 600V CAT II 450V			CAT II 1000V CAT III 600V			CAT III 1000V		
Noise	<b>Full Bandwidth:</b> 20X: ≤ 22mVrms 200X: ≤ 80mVrms <b>5MHz bandwidth limit:</b> 20X: ≤ 8mVrms 200X: ≤ 70mVrms			<b>Full Bandwidth:</b> 50X: ≤ 45mVrms 500X: ≤ 200mVrms <b>5MHz bandwidth limit:</b> 50X: ≤ 20mVrms 500X: ≤ 175mVrms			<b>Full Bandwidth:</b> 100X: ≤ 90mVrms 1000X: ≤ 400mVrms <b>5MHz bandwidth limit:</b> 100X: ≤ 40mVrms 1000X: ≤ 350mVrms		
CMRR	DC: >-80dB 100kHz: >-60dB 10MHz: >-30dB 100MHz: >-26dB								
Delay	11.99ns at 20X 12.27ns at 200X			11.99ns at 50X 12.27ns at 500X			11.99ns at 100X 12.27ns at 1000X		
Input impedance	16MΩ / 1.5pF(differential) 8MΩ / 3pF(each input to ground)			16MΩ / 1.5pF(differential) 8MΩ / 3pF(each input to ground)			20MΩ / 1.5pF(differential) 10MΩ / 3pF(each input to ground)		
Output voltage	≤3V								
Power supply	2W								
Overrange	LED flashes, Buzzer beeps								



MDP Series



Specifications (300MHz ~ 500MHz)

Model	MDP703	MDP704	MDP705	MDP1503	MDP1504	MDP1505	MDP3003	MDP3004	MDP3005
Bandwidth	300MHz	400MHz	500MHz	300MHz	40MHz	500MHz	300MHz	40MHz	500MHz
Rise time	≤1.2ns	≤0.87ns	≤0.7ns	≤1.2ns	≤0.87ns	≤0.7ns	≤1.2ns	≤0.87ns	≤0.7ns
Attenuation	20X / 200X			50X / 500X			100X / 1000X		
Accuracy	±2%			±2%			±2%		
Max. Differential Voltage (DC+AC PK)	70V (20X) 700V (200X)			150V (50X) 1500V (500X)			300V (100X) 3000V (1000X)		
Max. Common Mode Input Voltage	CAT I 600V CAT II 450V			CAT II 1000V CAT III 600V			CAT III 1000V		
Noise	<b>Full Bandwidth:</b> 20X: ≤ 80mVrms 200X: ≤ 100mVrms			<b>Full Bandwidth:</b> 50X: ≤ 200mVrms 500X: ≤ 250mVrms			<b>Full Bandwidth:</b> 100X: ≤ 400mVrms 1000X: ≤ 500mVrms		
CMRR	DC: >-80dB 100kHz: >-70dB 20MHz: >-40dB 120MHz: >-26dB								
Delay	8.44ns at 20X 7.9ns at 200X			8.44ns at 50X 7.9ns at 500X			8.44ns at 100X 7.9ns at 1000X		
Input impedance	16MΩ / 1.5pF(differential) 8MΩ / 3pF(each input to ground)			16MΩ / 1.5pF(differential) 8MΩ / 3pF(each input to ground)			20MΩ / 1.5pF(differential) 10MΩ / 3pF(each input to ground)		
Output voltage	≤3V								
Output impedance	50Ω								
Cable length	Approx. 8 cm (Input); Approx. 120cm (Output)								



# High Frequency AC/DC Current Probe

## CP Series



- ▶ AC/DC measuring capabilities
- ▶ Degaussing / Auto Zero setting
- ▶ Superior 1% DC accuracy (typical)
- ▶ Overload flashing light indicator

Model / Ordering Number	CP503B	CP1003B
Bandwidth	50MHz	100MHz
Rise Time	≤ 7ns	≤ 3.5ns
Interface	Standard BNC	
Range	6A (2X) / 30A (10X)	
Output Sensitivity	1V/2A (6A) 1V/10A (30A)	
DC Accuracy (typical)	±1%±10mA (6A) ±1%±50mA (30A)	
Delay	< 30ns (6A) < 30ns (30A)	
Input Current Range	20mA~6Apk (6A) 50mA~30Apk (30A)	
Max. Current Input	30Apk, 60Apk-pk, 21.21Arms	
Noise	≤ 1.4 mA RMS (@ 20 MHz; Range 30A, 10X)	
Max. Working Voltage	CAT I 300V	
Max. Conductor Diameter	5mm	
Overload Indicator	Flashing light	
Power Supply	DC 5V 3A	



# Low Frequency AC/DC Current Probe

## CP2100 Series

- Bandwidth up to 2.5MHz
- Switchable Current Range: 10A / 100A
- Compact design with reliable performance
- USB power supply, no need extra adapter
- Compatible with any BNC-type oscilloscope



Model / Ordering Number	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)	
Signal Delay	< 150ns (10A) < 200ns (100A)	
Current Range	50mA~10Apk (10A) 1A~100Apk (100A)	
Max. Measuring Range	100Apk, 70.7Arms (DC+AC, pk) 200Apk-pk, 70.7Arms (AC)	
Max. Working Voltage	CATIII 300V ; CAT II 600V	
Max. Conductor Diameter	13mm	
Overrange Alarm	Buzzer beeps, flashing light	
Power Supply	DC 5V	
Input Cable Length	45cm	
Output Cable Length	90cm	
Operating Temperature	0°C-50°C	
Operating Humidity	10%-85%	





# Rogowski AC Current Probe

## RCP Series



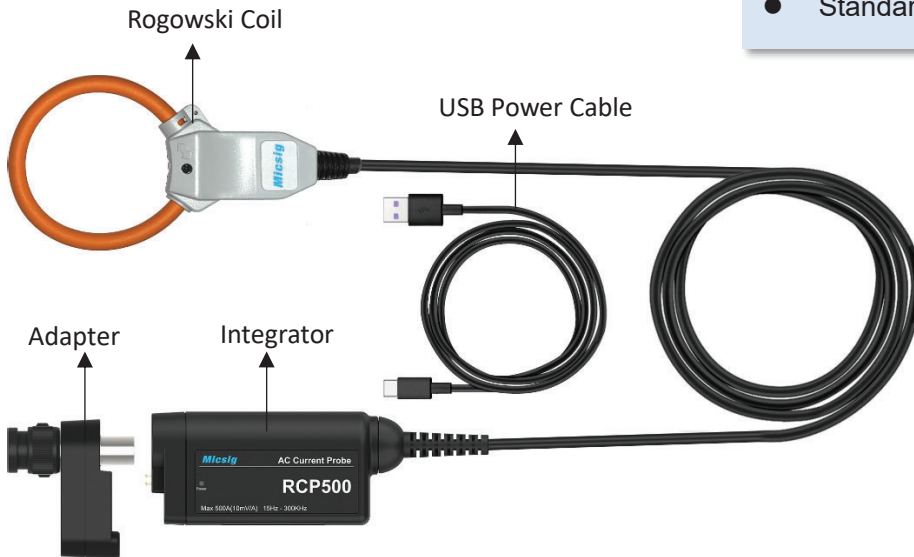
- Up to 30MHz bandwidth
- Max. 3000A AC current measurement capability
- 1% typical accuracy
- 1.6mm coil cross-section diameter
- Standard BNC interface

Model	RCP60XS	RCP300XS	RCP600XS	RCP1200XS	RCP3000XS
Bandwidth	85Hz-30MHz	10Hz-30MHz	10Hz-30MHz	12Hz-30MHz	3Hz-30MHz
Measurement Range	20mA <sub>pk</sub> -60A <sub>pk</sub>	200mA <sub>pk</sub> -300A <sub>pk</sub>	200mA <sub>pk</sub> -600A <sub>pk</sub>	600mA <sub>pk</sub> -1200A <sub>pk</sub>	600mA <sub>pk</sub> -3000A <sub>pk</sub>
Output Sensitivity	100mV/A (10X)	20mV/A (50X)	10mV/A (100X)	5mV/A (200X)	2mV/A (500X)
Output noise	< 20mV <sub>pp</sub>	< 18mV <sub>pp</sub>	< 12mV <sub>pp</sub>	< 5mV <sub>pp</sub>	< 5mV <sub>pp</sub>
Peak di/dt	4kA/μs	20kA/μs	40kA/μs	70kA/μs	70kA/μs
Droop	65%/ms	9%/ms	6%/ms	3%/ms	2%/ms
Accuracy (typical)	1%				
Offset voltage	<±1mV				
Effect of conductor position	Within ±1% (deviation from center)				
Peak coil isolation voltage	AC 1kV <sub>rms</sub> (1 min) (50Hz/60Hz) (Rogowski coil part only)				
Power supply	DC 12V				
Coil cross-section diameter	1.6mm				
Interface	1MΩ BNC				
Coil inner diameter	25mm (customizable)				
Coil circumference	80mm (customizable)				
Wire length (integrator to coil)	1.5m (customizable)				
Working temperature	Base unit : 0°C - 55°C Coil : -20°C - 125°C				



RCP500

- Compactly designed, exquisite appearance
- 1% high accuracy with less than 2mV noise
- Rogowski coil measurement system
- Standard adapter for all BNC interface



Model / Ordering Number	RCP500
Bandwidth	15Hz - 300KHz (-3dB )
Current Range	200mA (pk) - 500A (pk)
Output Sensitivity	10mV/A
Output Noise	< 2mV rms
Typical Accuracy	1%
Phase Accuracy	≤0.8° (45Hz-66Hz)
Offset Voltage	±1mV or below
Max. Voltage	AC 10kV RMS (1 minute), (50Hz/60Hz) (Rogowski coil part only)
Conductor Under Test Diameter	≤ ϕ50mm
Power Supply	Micsig UPI probe interface (EOL); PA05 Adapter (USB cable)
Conductor Positional Accuracy	Within ±1% (Deviation from the Center)
Influence of External Magnetic Fields	1.5% f.s. or below (400A/m,50Hz/60Hz)
Coil to Integrator Cable Length	2m (customizable)
Operating Temperature	-20-70°C
Operating Altitude	≤ 2000m



# AC Current Probe

## ACP1000




















- Open clamp design
- BNC connection to all oscilloscope
- Operating frequency: 10Hz–100kHz
- Max. peak current: 2000A (2s)
- Output signal: mV/A
- Maximum accuracy: 1%
- Safety category: CAT III 600V



Model / Ordering Number	ACP1000
Input Current	0.1-10A 0.1-100A 1-1000A
Rated Output	100mV/A 10mV/A 1mV/A
Frequency	10Hz-100KHz
Rated Load	≥ 100KOhms
Accuracy	3%±10mV 2%±5mV 1%±1mV
Current range	0.1A-1000A
Maximum accuracy	1%
Safety category	CAT III 600V
Max. conductor diameter	52mm
Size	111mm x 216mm x 45mm



# Accessories

<p><b>MS-A-001</b> BNC to banana lead</p> 	<p><b>MS-A-004</b> IC pincer clips / pair</p> 	<p><b>MS-A-005</b> multimeter probe / pair</p> 	<p><b>MS-A-006</b> alligator clips B / pair</p> 
<p><b>MS-A-007</b> piercing needle / 5pcs</p> 	<p><b>MS-A-008</b> automotive pickup</p> 	<p><b>MS-A-009</b> flexible needle / pair</p> 	<p><b>MS-A-010</b> multimeter pen</p> 
<p><b>MS-A-011</b> alligator clips S / pair</p> 	<p><b>MS-A-012</b> piercing test hook</p> 	<p><b>T3100</b> HV probe 2000V/100X</p> 	<p><b>P130A</b> BNC probe 600v/200MHz</p> 
<p><b>P300</b> BNC probe 600v/300MHz</p> 	<p><b>MS-Adapter</b> power adapter 12V 4A</p> 	<p><b>MS-Mask</b> Screen protector</p> 	<p><b>MS-HB</b> oscilloscope handbag</p> 
<p><b>MS-SC-1</b> Suitcase for Smart/TO series</p> 	<p><b>MS-SC-2</b> Suitcase for SATO/ATO series</p> 	<p><b>MS-BA-7213400</b> Battery for ETO series</p> 	<p><b>MS-BA-747500</b> Battery for TO/ATO/ STO/SATO/MTO/VATO series</p> 