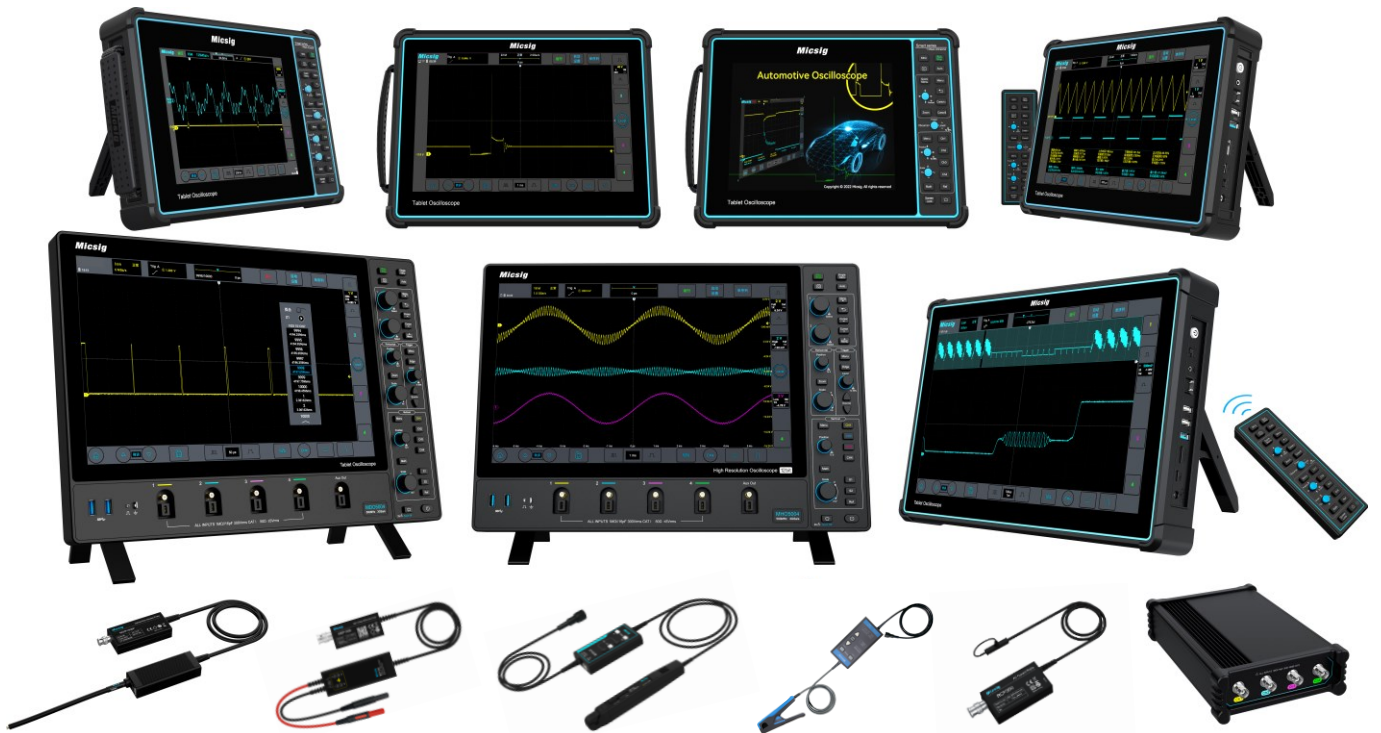


High Resolution Oscilloscope
Tablet Oscilloscope
Automotive Oscilloscope
Optical-fiber Isolated Probe
High Voltage Differential Probe
AC/DC Current Probe
AC Current Probe

PRODUCT CATALOG



High Resolution Oscilloscope

MHO 3 series



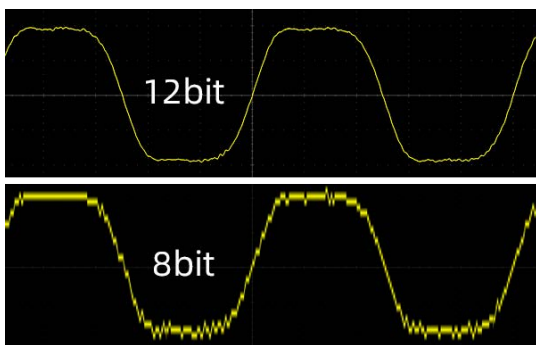
3.58cm ultra-thin



12bit



Mic-OPi™ probe interface

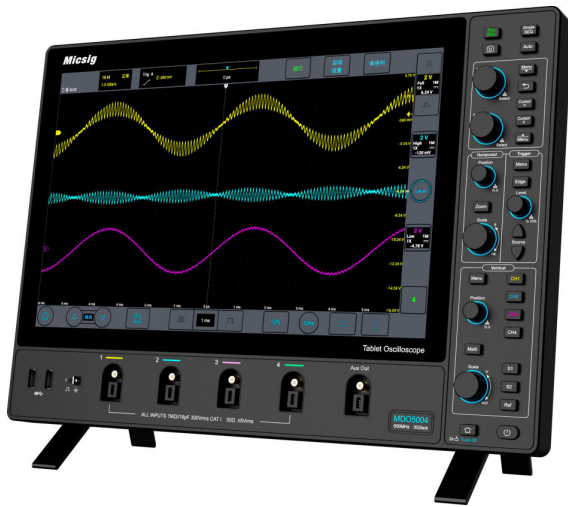


- ▶ 12-bit vertical resolution
- ▶ 3.58cm ultra-thin design, support wall / arm mounting
- ▶ Mic-OPi™ probe interface, automatic probe calibration
- ▶ Noise floor less than 80μVrms
- ▶ 14" TFT touch display, 1920x1200 high definition
- ▶ Segmented storage acquisition
- ▶ USB 3.0 Host, USB-C, LAN, Ground, 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 ² C, ARINC-429, MIL-STD-1553B		
Dimension / Net weight	400*280*35.8mm / 4.3kg		

Digital Oscilloscope

MDO series



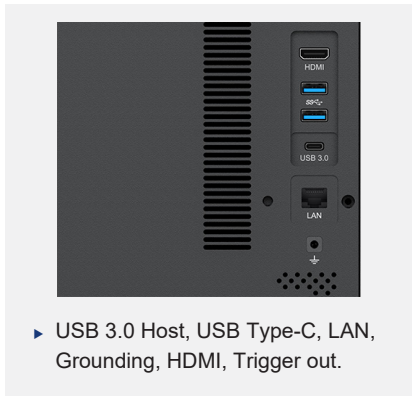
- ▶ Max. 500MHz bandwidth
- ▶ 360Mpts memory depth
- ▶ Mic-OPI™ probe interface, automatic probe calibration
- ▶ Noise floor < 90μVrms
- ▶ 14" TFT touch display, 1920x1200 high definition
- ▶ User-defined attenuation ratio setting
- ▶ USB 3.0 Host, USB-C, LAN, Ground, HDMI connections
- ▶ Standard ARINC-429,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

Wall / arm mouting



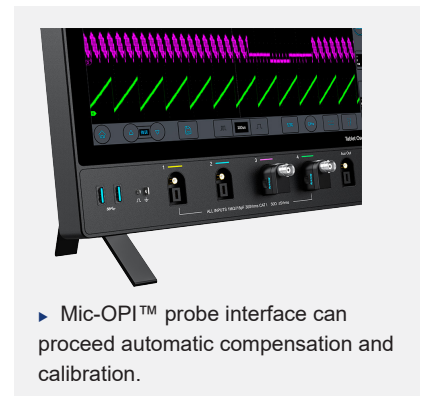
- ▶ 130 mm x 300 mm wall / arm mount interface, flexible and space-saving.

Complete connectivity



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

Mic-OPI™ probe interface

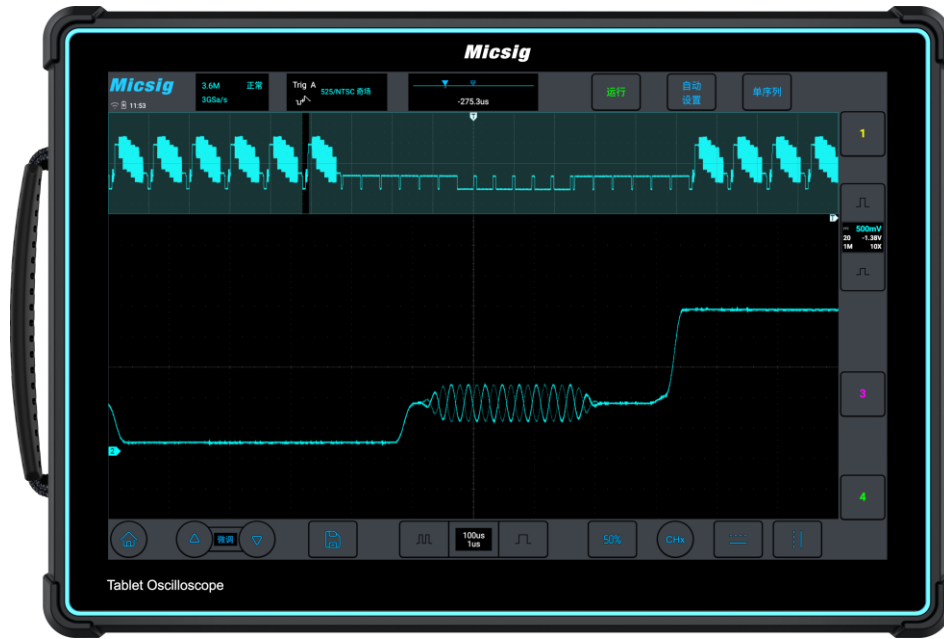


- ▶ Mic-OPI™ probe interface can proceed automatic compensation and calibration.

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 ² C, ARINC-429, MIL-STD-1553B		
Dimension / Net weight	400*280*35.8mm / 4.3kg		

Tablet Oscilloscope

ETO Series



Remote Control



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



75mm x 75mm standard VESA interface, compatible with various wall mounts



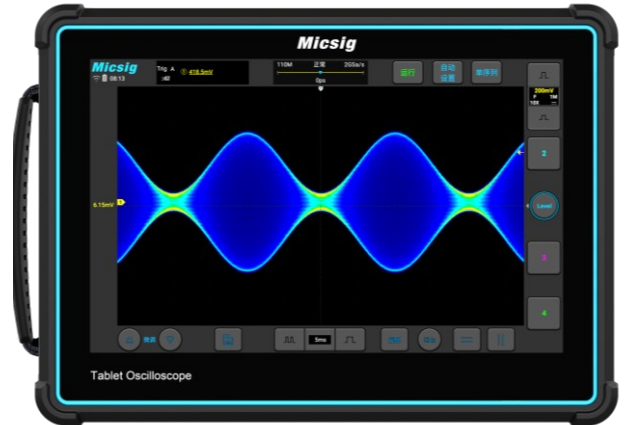
Mic-OPI™ patented probe interface, easy to plug, automatic compensation. Also comes with BNC adapter to use on all oscilloscopes.

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 ² 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, I²C
- ▶ 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 ² 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, I²C
- ▶ 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 ² 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



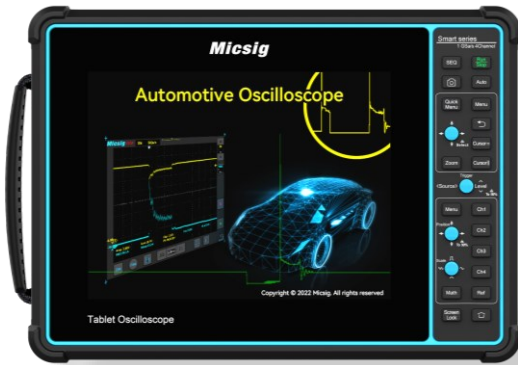
- ▶ Affordable with professional functions
- ▶ Easy to use on any Android (7.0 above) device
- ▶ Battery powered enables day-long field testing
- ▶ 50Mpts memory depth displays more details
- ▶ Support CAN, LIN bus decode



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

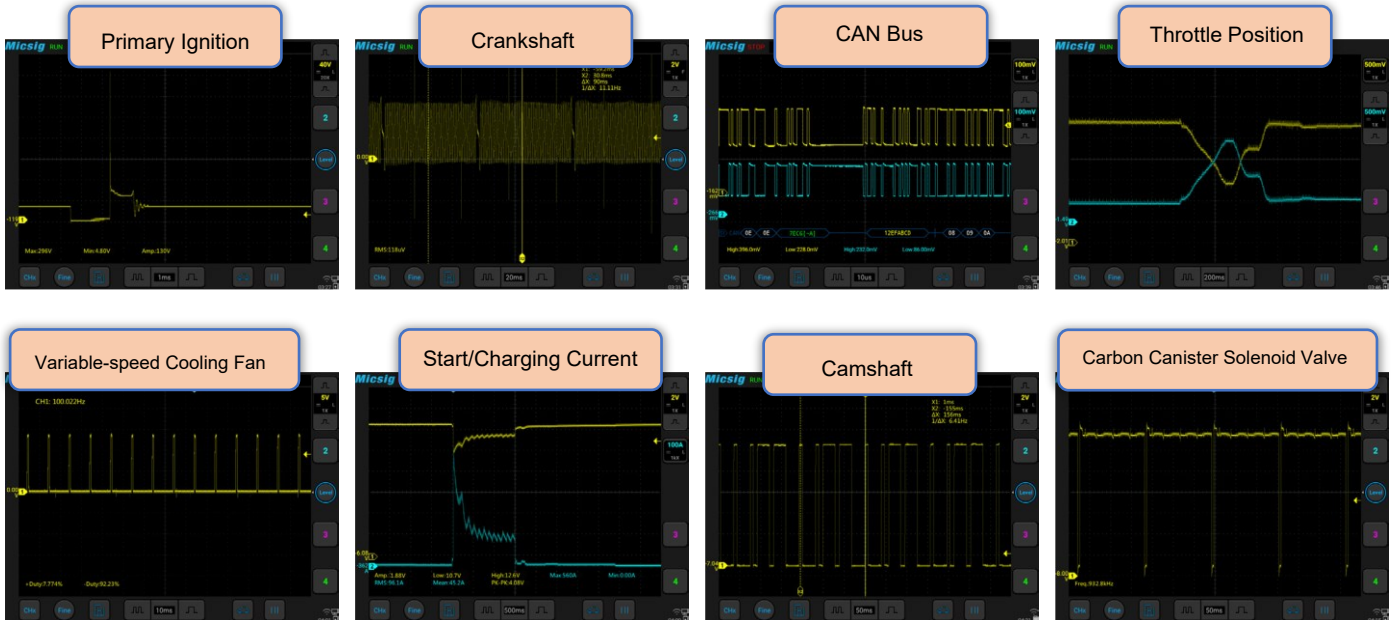
Series	SATO Series		ATO Series			
Model	SATO1004	SATO2002	ATO1004	ATO2002	ATO2004	ATO3004
Analog Channels	4	2	4	2	4	4
Bandwidth	100MHz	200MHz	100MHz	200MHz	200MHz	300MHz
Sampling Rate (Max.)	1GSa/s	1GSa/s	1GSa/s	1GSa/s	2GSa/s	2GSa/s
Memory Depth (Max.)	70Mpts	70Mpts	110Mpts	110Mpts	220Mpts	220Mpts
Waveform 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 ² 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 (optional)
- ▶ 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, CAN FD, 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 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**
- ▶ DC Accuracy: **1%**
- ▶ Zero drift: **<0.1%**
- ▶ Common Mode Voltage: **85kVpk**
- ▶ Max Differential Voltage: **±5000V**
- ▶ Noise floor: **<0.45mVrms**

SigOFIT



- 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
- Differential mode signals from $\pm 0.1V$ to $\pm 5000V$
- Compact design, simple to use



Specifications

Model	MOIP01P	MOIP02P	MOIP03P	MOIP05P	MOIP08P	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
Differential voltage	2.5V - 5000V	2.5V - 5000V	2.5V - 5000V	0.1V - 5000V	0.1V - 5000V	0.1V - 5000V
Noise	$< 1.46mVrms$			$< 0.45mVrms$		
SMA Input Impedance	1MΩ 10pF					
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)					

High Voltage Differential Probe

DP Series



- High accuracy, low noise, measuring voltage up to 5600V
- Most compact design with professional performances
- One-press Zero calibration & Automatic over-range alarm
- Powered by oscilloscope USB output, no adapter needed

▲ DP10007 / DP10013 / DP20003

Specifications

Model / Ordering Number	DP10007	DP10013	DP20003
Bandwidth	100MHz	100MHz	100MHz
Rise Time	≤ 3.5ns	≤ 3.5ns	≤ 3.5ns
Attenuation Range	10X, 100X	50X, 500X	200X, 2000X
Gain Accuracy	±2%	±2%	±2%
Max. Differential Test Voltage (DC+AC PK)	70V (10X) 700V (100X)	130V (50X) 1300V (500X)	560V (200X) 5600V (2000X)
Max. Input Common Mode Voltage	CAT II 600V CAT I 1000V	CAT II 1000V	CAT III 1000V
Input Referred Noise	≤ 15mVrms (10X) ≤ 60mVrms (100X)	≤ 40mVrms (50X) ≤ 230mVrms (500X)	≤ 160mVrms (200X) ≤ 920mVrms (2000X)
Common Mode Rejection Ratio (CMRR)	> 80dB (50Hz / DC) > 60dB (20KHz) > 45dB (1MHz)	> 80dB (DC) > 60dB (100KHz) > 50dB (1MHz)	> 80dB (DC) > 60dB (100KHz) > 50dB (1MHz)
Input Impedance	8MΩ/1.25pF (differential) 4MΩ/2.5pF (each input to ground)	10MΩ/1pF (differential) 5MΩ/2pF (each input to ground)	50MΩ/1.25pF (differential) 25MΩ/2.5pF (each input to ground)

Output Voltage	≤ 7V	≤ 3V	≤ 3V
Power	1.25W	0.85W	0.85W
Power Supply	DC 5V, USB	DC 5V, USB	DC 5V, USB
Ovrange Alarm	Flashing Light		
Input cable length	45cm		
Output cable length	90cm		
Operating temperature	0°C-45°C		
Operating humidity	10%-85%		

High Voltage Differential Probe

MDP Series



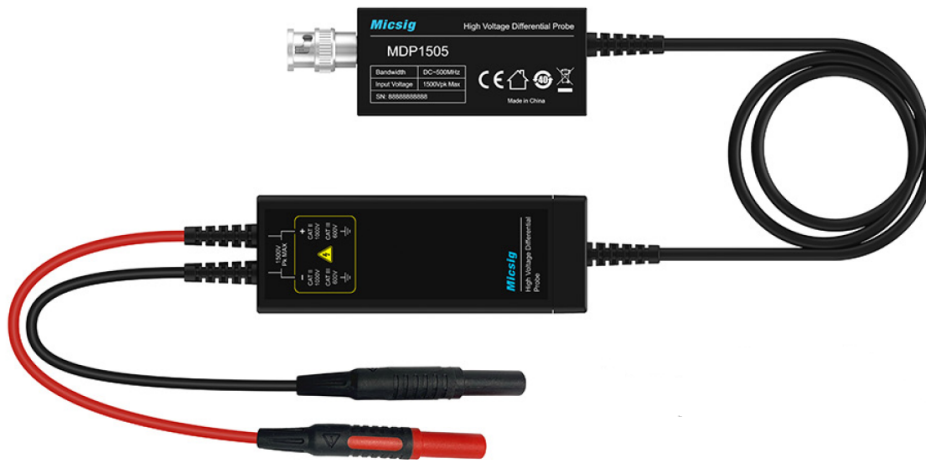
Originated from Micsig's cutting-edge SigOFIT™ technology, the MDP series probe has excellent amplitude-frequency characteristics and common mode rejection capability, allow users to test high-frequency, high-voltage signal with ease.

- 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	Full Bandwidth: 20X: ≤ 22mVrms 200X: ≤ 80mVrms 5MHz bandwidth limit: 20X: ≤ 8mVrms 200X: ≤ 70mVrms			Full Bandwidth: 50X: ≤ 45mVrms 500X: ≤ 200mVrms 5MHz bandwidth limit: 50X: ≤ 20mVrms 500X: ≤ 175mVrms			Full Bandwidth: 100X: ≤ 90mVrms 1000X: ≤ 400mVrms 5MHz bandwidth limit: 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	Full Bandwidth: 20X: ≤ 80mVrms 200X: ≤ 100mVrms			Full Bandwidth: 50X: ≤ 200mVrms 500X: ≤ 250mVrms			Full Bandwidth: 100X: ≤ 400mVrms 1000X: ≤ 500mVrms		
CMRR	DC: >-80dB 100kHz: >-70dB 10MHz: >-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
- ▶ Superior 1% DC accuracy (typical)
- ▶ Degaussing / Auto Zero setting
- ▶ 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

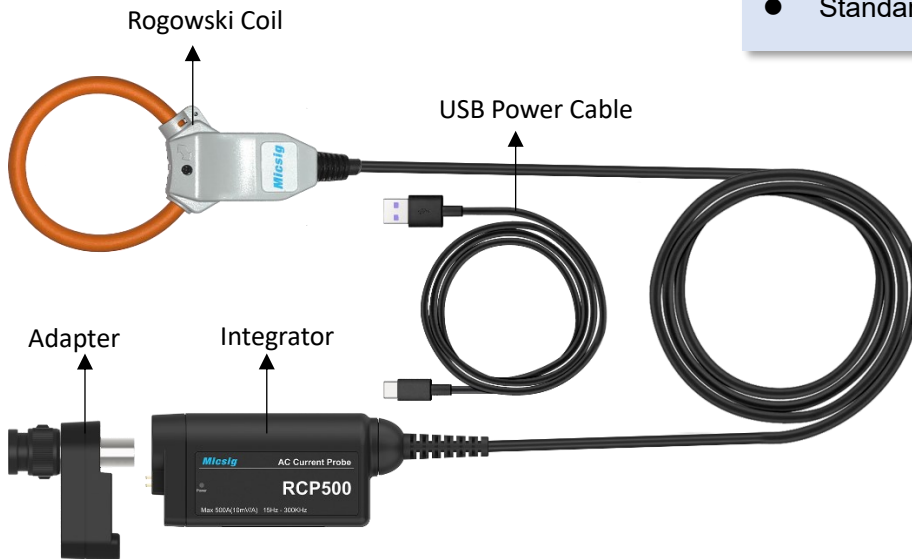


- Up to 30MHz bandwidth
- Max. 600A AC current measurement range
- 1% typical accuracy
- 1.6mm coil cross-section diameter
- Standard BNC interface

Model / Ordering Number	RCP300-XS	RCP600-XS
Bandwidth	10Hz-30MHz	10Hz-30MHz
Measurement Range (AC)	200mA _{pk} -300A _{pk}	200mA _{pk} -600A _{pk}
Output Sensitivity	20mV/A (50X)	10mV/A (100X)
Output noise	< 18mV _{pp}	< 12mV _{pp}
Peak di/dt	20kA/μs	40kA/μs
Droop	9%/ms	6%/ms
Accuracy (typical)	1%	
Offset voltage	<±1mV	
Effect of conductor position	Within ±1% (deviation from center)	
Peak coil isolation voltage	AC 2kV _{rms} (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 Rogowski 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

MS-A-001

BNC to banana lead



MS-A-004

IC pincer clips / pair



MS-A-005

multimeter probe / pair



MS-A-006

alligator clips B / pair



MS-A-007

piercing needle / 5pcs



MS-A-008

automotive pickup



MS-A-009

flexible needle / pair



MS-A-010

multimeter pen



MS-A-011

alligator clips S / pair



MS-A-012

piercing test hook



T3100

HV probe 2000V/100X



P130A

BNC probe 600v/200MHz



P300

BNC probe 600v/300MHz



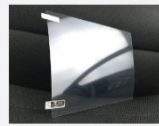
MS-Adapter

power adapter 12V 4A



MS-Mask

Screen protector



MS-HB

oscilloscope handbag



MS-SC-1

Suitcase for Smart/TO series



MS-SC-2

Suitcase for SATO/ATO series



STO-BA-A750

Battery for STO1000C/E
/STO2000C series



MS-A-B747500

Battery for Smart/SATO
/ATO/TO series





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