Micsig

PRODUCT CATALOG

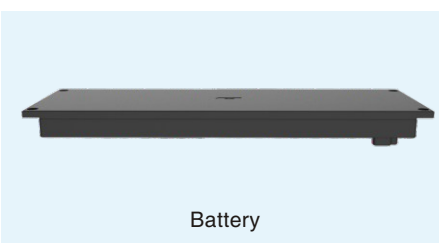# Micsig

Smart Digital Oscilloscope

STO1000C Series

- Support APP (iOS and Android) to remote control oscilloscope
- Support Wi-Fi data real-time transmission and HDMI high-definition display
- Support video recording and built-in 8G storage capacity
- Support 256-level intensity grading and color temperature display
- Unique file management system, easy to save and transfer waveform data
- 8 inches full touch capacitive screen and high quality button and knobs make the operation more simple and smart

Dimension: 280*180*50mm
Weight: 4CH Oscilloscope 1425g   Battery 320g

Model	STO1102C	STO1104C	STO1152C
Analog channel	2	4	2
Bandwidth	100MHz	100MHz	150MHz
Rise time	≤3.5ns	≤3.5ns	≤2.3ns
Sample rate	1GSa/S(single channel)		
Max capture rate	80,000wfm/s		
Sample rate	1GSa/S		
Memory depth	28Mpts		
Bandwidth limitation	20MHz, High pass, low pass		
I/O Port	Wi-Fi, LAN, HDMI, USB Host, USB Device, DC Power, Aux out		
APP	Support Android / IOS		
Built-in storage capacity	8G		
Trigger types	Edge, Pulse Width, Logic, Video, Runt, Time Out , N Edge, Slope		
Display	8" Industry TFT LCD touchable capacitive screen, resolution: 800*600 pixels, 14*10 grids		
Automatic Measurements	Period, Frequency, Rise Time, Fall Time, Delay, Positive Duty Cycle, Negative Duty Cycle, Positive Pulse Width, Negative Pulse Width, Burst Width, Positive Overshoot, Negative Overshoot, Phase, Peak to Peak, Amplitude, High, Low, Max, Min, Mean, Cycle Mean, RMS, Cycle RMS.		
Math function	+, -, *, /, FFT		
Vertical resolution	8 bits		
DC gain accuracy	≤2%		
Vertical scale	1mV/div~10V/div		
Serial bus trigger and decode (Options)	UART, CAN, LIN, SPI, I2C, 1553B, 429		
Battery (Options)	7.4V 7500mAh, rechargeable lithium battery		

Battery

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Digital Tablet Oscilloscope tBook mini

TO1000 Series

- Innovative software design and high quality hardware
- Built in 7500mAH lithium battery, up to 5 hours continuous working time
- 8''TFT LCD & 800*600 pixels high resolution Multi-touch capacity screen
- Support 5 kinds bus trigger and decoding(options): UART CAN SPI I2C LIN
- 7 types of trigger function: Edge, Pulse, Logic, Time Out, Runt, Slope, N Edge, and Video
- Built-in 8G storage capacity, waveforms and screenshots can be viewed and edited in scope, support Video record and file management.
- Various I/O port, LAN, Wi-Fi, USB Host, USB Device, HDMI, Trigger out
- Support Android Application and PC software remote control

APPs(iOS and Android)

HDMI

Dimension: 250*200*55mm
Weight: 4CH Oscilloscope 1125g   Battery 263g

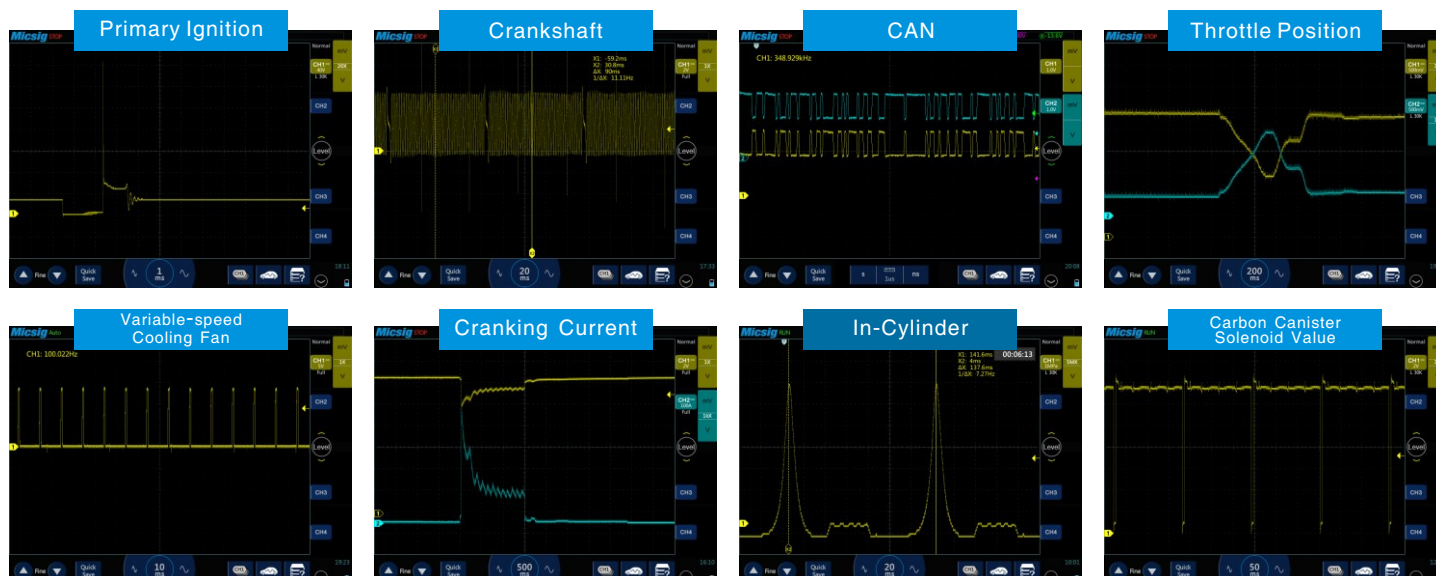| Model	TO1072	TO1074	TO1102	TO1104	TO1152
Bandwidth	70MHz	70MHz	100MHz	100MHz	150MHz
Rise time	≤5ns	≤5ns	≤3. 5ns	≤3. 5ns	≤2. 3ns
Input channel	2	4	2	4	2
Sample rate	1GSa/S		1GSa/S		
Memory depth	14Mpts		28Mpts		
Max capture rate	130,000wfm/s		130,000wfm/s		
Bandwidth iimitation	20MHz		20MHz,high pass, low pass		
Interface	Wi-Fi , LAN, HDMI(Optional),USB Host, USB Device , DC Power, Aux out				
Screen	8 inches TFT LCD 800*600 pixels display resolution, 14*10 display range				
Battery(optional)	7.4V 7500mAh , rechargeable lithium battery				
PC Software	PC software and APP (support iOS and Android), Wi-Fi or USB connection way				
Serial bus trigger and decode (Options)	UART, CAN, LIN, SPI, I2C, 1553B, 429				
Cursor types	Horizontal cursor, Vertical cursor, Crossing cursor				
Automatic Measurements	Period, Frequency, Rise Time, Fall Time, Delay, Positive Duty Cycle, Negative Duty Cycle, Positive Pulse Width, Negative Pulse Width, Burst Width, Positive Overshoot, Negative Overshoot, Phase, Peak to Peak, Amplitude, High, Low, Max, Min, Mean, Cycle Mean, RMS, Cycle RMS.				
Vertical resolution	8 bits				
DC gain accuracy	≤2%				
Vertical scale	1mV/div~10V/div				

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Automotive Tablet Oscilloscope

ATO1000 Series

- Various automotive diagnostic function：Ignition, sensor, actuators, networks, combination test and pressure test.
- Easy to use, convenient to operate in filed, battery included.
- Support APP to operate oscilloscope remotely.
- Support Wi-Fi to transfer waveform data.
- Internal 8G memory to save big waveform data.
- 8 inches full touch capacitive screen, 800*600 pixels.

Dimension: 250*200*55mm

Model	ATO1102	ATO1104
Bandwidth	100MHz	100MHz
Channel	2	4
Real time sample rate	1G Sa/S （single channel）	1G Sa/S （single channel）
Memory depth	28Mpts （single channel）	28Mpts （single channel）
Support test	Charging circuit, starter circuit, sensor, actuator, ignition test, communication test (including CAN, LIN, Flexray, K, etc.), pressure test (cylinder pressure, intake and exhaust pressure, fuel pressure, etc.)	
Bandwidth limitation	Full bandwidth，low pass	
I/O port	Wi-Fi、LAN、HDMI、USB Host、USB Device、GND、DC Power	
Accessories	Lithium battery, adapter, power cord, 2 X BNC banana lines, 2 X alligator clips, 2 X Flexible needle,2 X P130A probes	Lithium battery, adapter, power cord, 4 X BNC banana lines, 4 X alligator clips, 4 X Flexible needle, 4 X P130A probes

Primary Ignition

Crankshaft

CAN

Throttle Position

Variable-speed Cooling Fan

Cranking Current

In-Cylinder

Carbon Canister Solenoid Value

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Handheld Oscilloscope

MS200/MS300/MS500 Series

- Electronically isolated inputs(MS300&MS500), MS200 is not isolated
- 70MHz~200MHz selectable bandwidth, up to 190,000wfms/s capture rate
- 1GSa/s real time sampling rate, 240Kpts memory depth
- 5.7 inches TFT LCD touch screen, 800*480 pixels.
- Integration the functions of oscilloscope, multi-meter and recorder in one unit
- Up to 4~5H Li-ion battery persistence working time
- Integration the functions of oscilloscope, multi-meter and recorder in one unit
- Up to 4~5H Li-ion battery persistence working time
- Three innovative operation modes: Touch, Button, Scroll wheel
- Three instruments in one, scope + meter+ record
- 6000mAh detachable Li-ion battery, working time up to 5 hours
- 31 kinds of automatic measurements
- Support USB Host/Slave interface, which can plug U device or connect to the PC
- Support bus trigger and decoding UART/RS232/RS422/RS485,LIN, CAN,SPI, I2C

Dimension: 160*254*60mm

Series	M200 Series				M300 Series		M500 Series	
Model	MS207T	MS210T	MS215T	MS220T	MS310IT	MS320IT	MS510S	MS520S
Bandwidth	70MHz	100MHz	150MHz	200MHz	100MHz	200MHz	100MHz	200MHz
Rise time	≤5ns	≤3. 5ns	≤2.33ns	≤1.75ns	≤3.5ns	≤1.75ns	≤3. 5ns	≤1.75ns
Isolated channel	Not support				Support		Support	
Serial bus decode	Not support				5 types		7 types	
Max capture rate	50,000wfm/s				50,000wfm/s		190,000wfm/s	
Sample rate	1GSa/S							
Memory depth	240Kpts							
Operation	Touch, Button, Scroll Wheel							
Functions	Scope+Multimeter+Recorder							
Channels	2 Scope channels and 2 meter channels							
Max input voltage	500V				600V CATⅡ 300V CATⅢ			
Isolated channel voltage	N/A				1000V CATⅡ 600V CATⅢ			
Display screen	5.7" TFT LCD, 640*480 pixels, 12*8 grids							
Cursor types	Horizontal cursor, Vertical cursor, Crossing cursor							
Trigger types	Edge, Pulse, Logic, Serial bus trigger, Video(MS200 is unavailable, MS300 is optional, MS500 is stand)							
Serial bus decode	UART/RS232/RS422/RS485, LIN, CAN, SPI, I2C(MS300 and MS500), 1553B, 429(MS500 only)							
Measurements	31 automatic measurements							
Math function	+, -, *, /, FFT							
Meter measurements	Full scale reading: 5,000 counts							
	10 types				10 types		13 types	
Recorder waveforms	Recording timebase: 10ms/div-2min/div, 100us/div-2min/div(with USB storage device)							
	Recording time: Maximum 13 days(Increase recording time with USB storage device)							
I/O port	USB Host, USB Device							
Standard accessories	Probe, Meter pen, USB cable, Banana jack, Battery, Power adapter, ScopeSuite software, Documents							

High Voltage Differential Probes

DP Series

DP10013

Gift

DP20003

Model	DP10013	DP20003
Bandwidth	100MHz	100MHz
Attenuation Rate	50X 500X	200X 2000X
Rising Time	3. 5ns	3. 5ns
Accuracy	±2%	±2%
Input Impedance	10MΩ/1pF(differential) 5MΩ/2pF(single-ended to ground)	50MΩ/1.25pF(differential) 25MΩ/2.5pF(single-ended to ground)
Maximum Differential Test Voltage(DC + Peak AC)	130V(50X) 1300V(500X)	560V(200X) 5600V(2000X)
Output Voltage	≤3V	≤3V
Overrange Alarm	Button light flashes	Button light flashes
Power Supply	DC 5V, USB Supply	DC 5V, USB Supply
Power	0.85W	0.85W
Dimension	14.5cm*6cm*2.7cm	14.5cm*6cm*2.7cm
Input cable length	Approx 45cm	Approx 45cm
Output cable length	Approx 90cm	Approx 90cm

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Accessories

Model:MS_A_001
Test leads

Model:MS_A_002
Isolate passive probe

Model:T3100
High Voltage passive probe

Model:P130A
Passive probe

Model:MS_A_003
Insulation test needle

Model:MS_A_004
Pincer clips
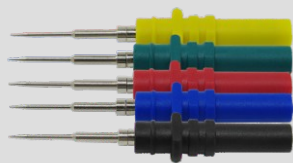
Model:MS_A_005
Multimeter probes

Model:MS_A_006
Insulated alligator clips

Model:MS_A_007
Non-destructive piercing needle

Model:MS_A_008
Secondary ignition pickup

Model:MS_A_009
Flexible piercing needle

Model:MS_A_010
Multimeter pen

Model:MS_A_011
Fine copper test alligator clips

Model:MS_A_012
Quick piercing test hook needle

Model:MS_A_013
BNC 90 degree coonector

Model:Adapator
Delta power adapter

Model:MS_handbag
Oscilloscope handbag

Model:MS_belt
Carry Strap

Model:MS_mask
Screen protector film

Model:ACP1000
AC current probe

Model:MS_A_001_4
BNC to BNC cable

Model:MS_A_014
HDMI cable

Authorized
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Distributor