Micsig®

Tablet Oscilloscope Innovator

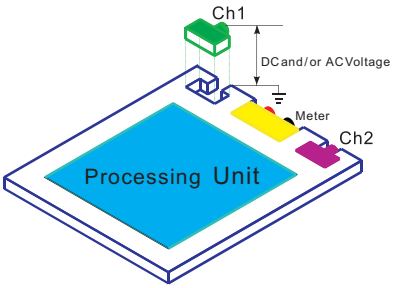
Handheld Multifunctional Oscilloscope

MS500 Series(Isolated)

- 5.7 inches TFT LCD touch screen, 640*480 high resolution
- 100MHz/200MHz selectable bandwidth
- 1GSa/s real-time sampling rate, 240Kpts memory depth
- Two electrically isolated and floating oscilloscope inputs
- Up to 190,000wfms/s max capture rate
- Integrate the functions of oscilloscope, multi-meter and recorder
- Support serial bus trigger and decode for UART/RS232/RS422/RS485, LIN, CAN, SPI, I2C
- Support various video triggers for PAL,NTSC,SECAM and HD vedio trigger for 720P,1080I,1080P
- Full real-time remote control and data transfer via Micsig ScopeSuite Software
- Support I/O interface of USB Slave and USB Host
- Support indoor and outdoor view modes
- Up to 4~5H Li-ion battery persistence working time
- Quick Help support

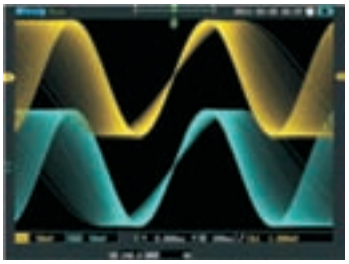
SETUP
ELECTRÓNICA

✧ Features

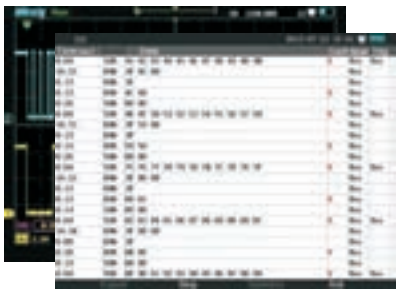


Three isolated inputs include two oscilloscope inputs and one multi-meter input, and all isolated inputs allows independent floating measurements with each input.

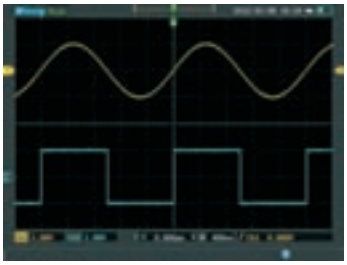
There operation ways : touch ,button and scroll wheel



640*480 high resolution

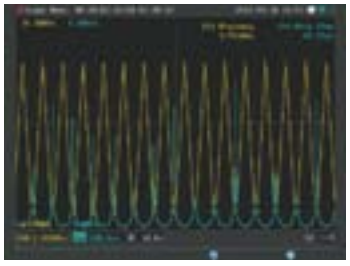


I2C serial bus decoding graphic mode and text mode



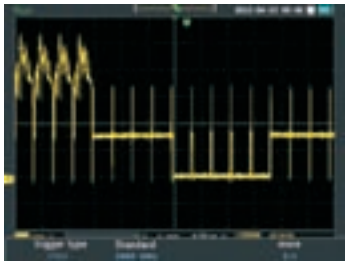
Connect to flask disk for dynamic recording

The functions of Micsig's ScopeSuite software include upgrading, real time control, measurement, storage, dynamic display, record, and data analysis.



3 types of record modes: multimeter record, oscilloscope measurement record and oscilloscope waveform record.

13 physical measurements such as AC/DC voltage, current, resistance etc.



Support various video triggers for PAL,NTSC,SECAM and HD vedio trigger for 720P,1080I,1080P

31 types auto measurements

High refresh rate oscilloscope

Horizontal cursor, vertical cursor, cross cursor

Micsig Handheld Multifunctional Oscilloscope MS500 Series (Isolated)

General information				
Bandwidth	100MHz		200MHz	
Model	MS510IT	MS510S	MS520IT	MS520S
Rise-time	≤3. 5ns	≤3. 5ns	≤1. 75ns	≤1. 75ns
Isolated channel	Support			
Real-time sampling rate	Single channel :1GSa/s,dual channels:500MSa/s			
Max waveform capture rate	190,000 wfms/s			
Serial bus trigger and decode	Support			
Memory depth	240Kpts			
Display				
Screen	5.7 inches TFT LCD Touch screen			
Display resolution	640*480			
Display range	12*8			
Format	YT mode or XY mode			
Persistence	Auto ,100ms-10s ,or ∞			
Vertical system				
Channels	2 isolated oscilloscope channels,1 multimeter channel			
Limited bandwidth	20MHz			
Coupling modes	DC ,AC ,GND			
Input impedance	Parallel 1MΩ±1% with 15pF±3pF			
Vertical scale	5mV/div~50V/div			
Vertical resolution	8bit			
Max voltage input	600V CAT Ⅱ 300V CAT Ⅲ			
Floating voltage from CHs to GND	1000V CAT Ⅱ 600V CAT Ⅲ			
DC vertical gain accuracy	5mV/div～50V/div,±2%			
Horizontal system				
Timebase	2ns/div～10s/div			
Timebase delay range	-12divs~50s			
Timebase accuracy	20ppm			
Sample mode	Normal,average, pk-pk,envelope			
Dynamic record	Max 2 hours			
Store waveform	support internal waveform storage and flash disk storage			
Trigger system				
Trigger types	Edge, pulse, logic, video （PAL,NTSC,SECAM,720P,1080I,1080P） Serial bus(UART,LIN,CAN,SPI,I2C,1553B,429)			
Trigger coupling	DC,AC,High-frequency suppression,Low-frequency suppression, Noise suppression			
Trigger modes	Auto, normal, single			
Inhibition range	200ns-10s			
Math	+, −, *, /, FFT			
Multimeter				
Measurement types	13 physical measurements ,such as voltage, current, resistance, capacitance, diode , etc.			
Measurement accuracy	4 bits			
Measurement display	Max, average, min, values with time stamp,relative measurement			
Other information				
Interface	USB HOST， USB SLAVE（Connect to PC）			
Power adapter	Input:100-240V AC, 50-60Hz ,Output:12V DC,5A			
Battery	Capacity 7.4V/6000mAh， work time:4~5 hours			
Temperature/Humidity	-20℃−+50℃,<85%RH			
Size	254mmx160mmx60mm			
Weight	Main unit: 1380g accessories: 691g battery:276g			

Standard Accessories

Items	Description	Items	Description
	250MHz, 10X probe		Power adapter: Input:100-240V AC, 50-60Hz, Output:12V DC,5A
	Multimeter table pen line		USB cable : Mini USB2.0
	7.4V/6000mAh lithium battery		Basic ScopeSuite Software

Optional Accessories

Items		Model No.	Description
	ScopeSuite Software	MS-UM-A002	Full Function Scopesuite Software
	Handbag	MS-HB-S001	Dimention: 300mmX410mmX130mm
	Suitcase	MS-SC-S001	WR-16 ABS anti-pressure seal suitcase
	Li-ion battery	MS-BA-S900	7. 4V/9000mAh Li-ion battery
	Active probe	MS-PR-2010	1GHz Active probe
	HF current probe	MS-G105	DC: ~50MHz
		MS-G110	DC: ~100MHz
	AC/DC Current clamp	MS-V502	AC/DC 200A/20A
		MS-V601	AC/DC 600A
		MS-V701	AC/DC 400mA-4A-30A
	Serial bus decode module	MS-UART	Support UART/RS232/RS422/RS485, Graphic and Text display
		MS-LIN	Support LIN, Graphic and Text display
		MS-CAN	Support CAN, Graphic and Text display
		MS-SPI	Support SPI, Graphic and Text display
		MS-I2C	Support I2C, Graphic and Text display

Micsig®

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