

New Generation Oscilloscope

Tablet Oscilloscope

tBook Series

100-500MHz

Bandwidth

1-5GSa/s

Sampling Rate

18-360Mpts

Memory Depth

2/4

Channels

10.1" TFT LED
1024*600 pixels

Display

15,000mAh

Battery

250,000/500,000
wfms/s

Capture Rate

WORLDWIDE FIRST



Introduction

As the tablet oscilloscope innovator, **Micsig** has achieved various worldwide patent rights, software copyright on tablet oscilloscope and got kinds of rewards. We are a professional supplier and manufacturer in field of test & Measurement and solution integration of R&D, manufacturing, sales and marketing. **Micsig** is specialized in multi-touch test instruments R&D and manufacturing, providing customer one stop multi-touch instruments solution over the world.

Micsig's tablet oscilloscope and handheld oscilloscope have been widely used in Aerospace, automotive, communication, military, power, education and so on. Products are exported to more than 35 countries.



Multi-Touch



Thinner



More powerful

Easier to use



Zoom in or out waveform



Drag waveform
Horizontally and Vertically

Multi-Touch
Screen

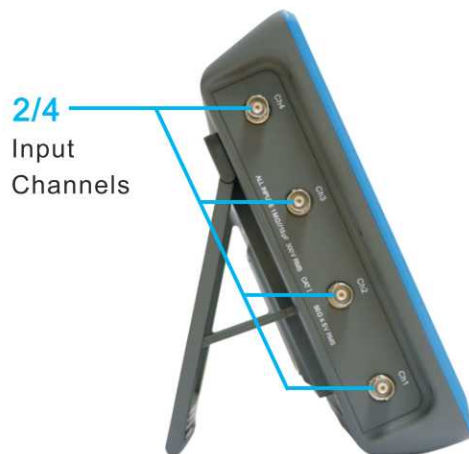
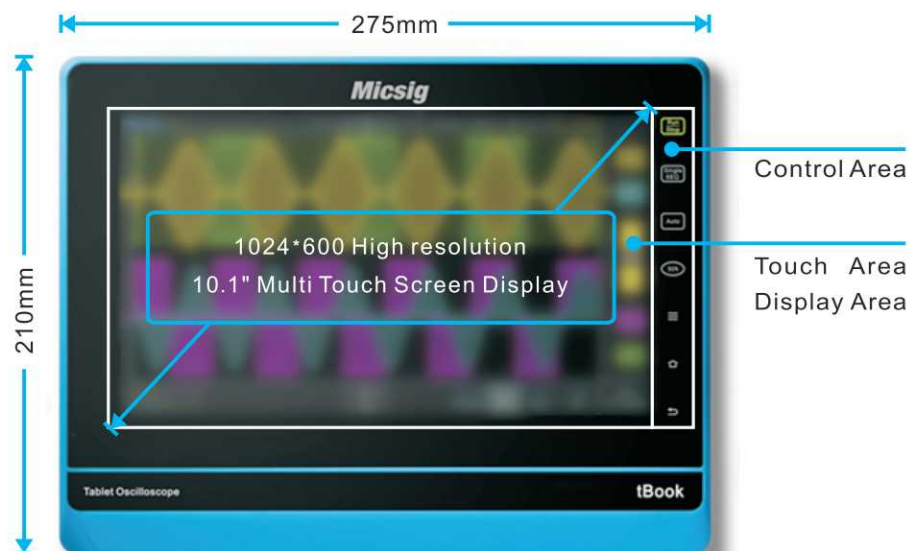


Swipe down the Menu



Drag out Channel Menu

Appearance | Function | Feature



Various Interfaces



Tablet compact design, multi-touch operation. simple and new experience on new generation oscilloscope.



10.1" display, 1024*600 high resolution, display waveform details perfectly.



31 auto measurements, tap select and cancel the wanted type directly.



15,000mAh Li-ion battery, up to 8 working hours.(Optional)



Deeper memory depth, observe general signal and details easily.

All operation by tap or slide, more humanized.



High capture rate to capture abnormal events.



Abundant serial bus trigger and decode. (optional)



60mm and 1.77kg ultra-thin body, easy to take.



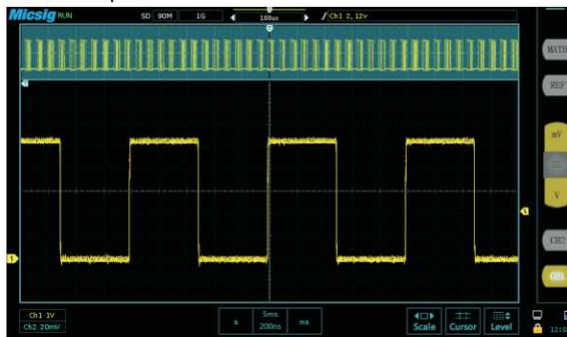
Get rid of buttons and knobs, more durable.



tBook

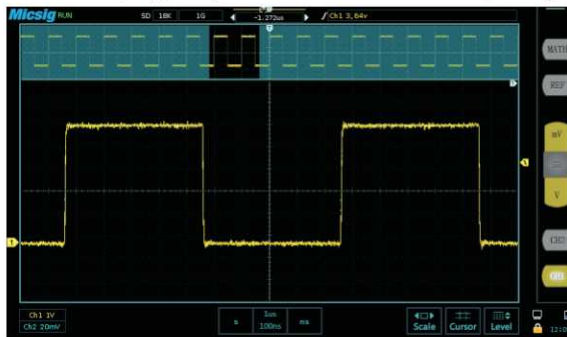
Deeper memory depth

Not only observe general waveform but also can find every waveform detail. The default memory depth is 18Mpts, and it can be upgraded to 90/360Mpts.



ZOOM

Flick left or right lightly to locate your wanted waveform, it gets your waveform clearer quickly.



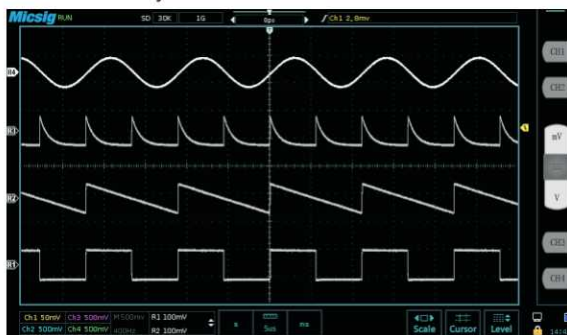
Storage

No limitation to storage waveform, you can name the waveform by typing the soft keyboard.



Reference waveform

You can set 4 sets reference waveform to compare, which makes you work easier.



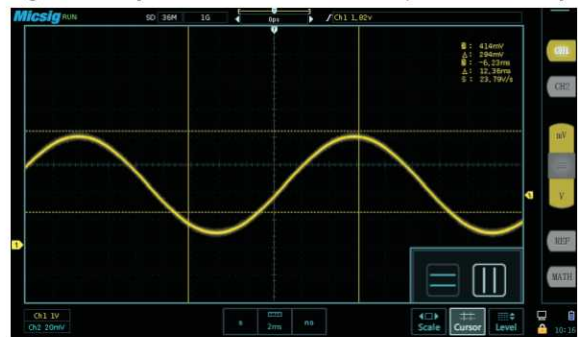
Automatic Measurement

Swipe out measurement menu, tap to select or cancel the measurement icon, it makes operation more convenient.



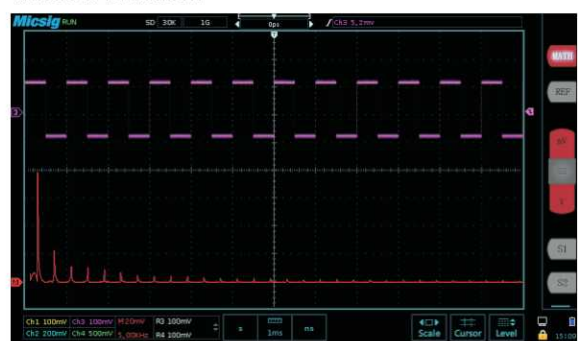
Cursor

Tap cursor icon to open or close cursor function, tap to select or cancel vertical or horizontal cursor line, then flick longer cursor line of screen left or right to fix your wanted waveform position easily.



Math Functions

5 Math operator: +, -, *, /, FFT. FFT can add Rectangle, Hamming, Hanning, Blackman-Harris window function.



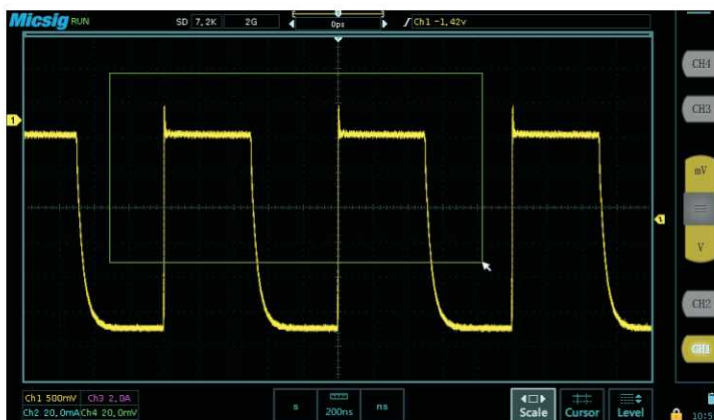
Operation protection

Tap the right corner lock to open or close finger operation, it makes your work more safe.



Mouse Operation

Abundant operation, except for multi-touch, user can operate the oscilloscope by mouse connected with USB port. Mouse operation brings you one more option when measuring.



Optional Function

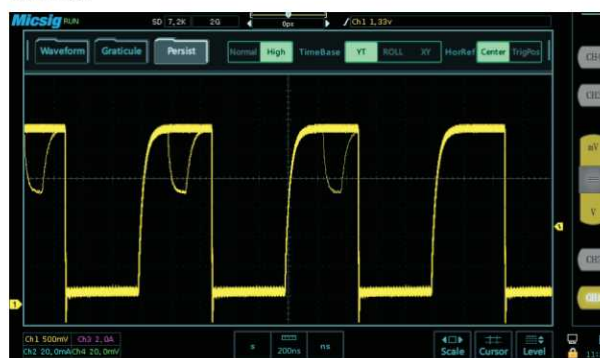
Serial bus trigger and decode

Support UART, LIN, CAN, SPI, I²C, 1553B, 429 Serial bus trigger and decode. Waveform and data are displayed simultaneously, quick to find the waveform with reference to data; In text mode, every frame address, ID, data and verification are classified. The statistics function process the frame type and error frame, easy to debug and analyze. All data can be stored and Transferred to PC by a U disk.



High capture rate

tBook series waveform capture rate can be upgraded to 250,000wfms/s or 500,000wfms/s. Improve the probability of catching the abnormal signal to 90%, The higher capture rate, the shorter dead time of waveform, abnormal signals can be caught fast and accurately, which gives you the highest probability of capturing random and infrequent events.



Video trigger

Video trigger provides a variety of trigger type for users, which includes PAL, NTSC, SECAM, 480P, 720P, 1080I, 1080P.



Bigger capacity Battery

Regarding battery, we provide 15,000mAh for your option to meet your longer battery life.



15,000mAh

Big Capacity Battery

Tablet Oscilloscope

tBook Series

Model	TO102 TO104	TO102A TO104A	TO152 TO154	TO152A TO154A	TO202 TO204	TO202A TO204A	TO302A TO304A	TO352A TO354A	TO502A TO504A
Bandwidth	100MHz	100MHz	150MHz	150MHz	200MHz	200MHz	300MHz	350MHz	500MHz
Risetime	≤3.5ns	≤3.5ns	≤2.3ns	≤2.3ns	≤1.75ns	≤1.75ns	≤1.17ns	≤1ns	≤0.7ns
Real time sampling rate	1GS/s	2GS/s	1GS/s	2GS/s	1GS/s	2GS/s	2GS/s	5GS/s	5GS/s
Memory depth	18M							36M	
Channels	2/4								
Waveform capture rate	50,000 wfms/s								
Display screen	10. 1" TFT LCD Multi point touchable capacitive screen, Resolution:1024 *600 pixels								
Operation	Mouse, Multi-touch: tap, swipe, pinch								
Time base range	1G sampling rate : 2ns/div to 1000s/div, 2G/5G sampling rate : 1ns/div to 1000s/div								
Vertical resolution	8 bit								
Vertical scale	2mV/div to 5V/div								
Trigger types	Edge, Pulse, Logic								
Automatic measurements	Period, Frequency, Risetime, Falltime, Delay, PDC, NDC, PPW, NPW, BPW, POS, NOS, Phase, PKPK, Amp., Height, Low, Max, Min, RMS, CRMS, Mean, CMean								
Math operation	+, -, *, /, FFT								
FFT window function	Rectangular, Hamming, Hanning, Blackman								
I/O port	USB Host, USB Device								
Built-in storage	4G								
Dimensions and weight	275mm * 210mm * 60mm, 1770g								
Optional functions	· 250,000wfms/s waveform capture rate for TO*** model · 500,000wfms/s waveform capture rate for TO***A model · 90M memory depth for 100 to 300MHz Bandwidth · 360M memory depth for 350/500MHz Bandwidth · Dwarf pulse trigger, Video trigger , Serial Bus trigger(UART, LIN, CAN, SPI, I²C, 1553B, 429), 50Ω Input impedance, XY mode · 15,000mAh Built-in battery, 32G Built-in storage								

Standard Accessories

Item	Description
USB Cable	Connect scope with PC
Probe	Standard passive probe, bandwidth and quantity depend on model
Power adapter	for Charging
CD	Product information and software