

Micsig® Tablet Oscilloscope Innovator

New Generation Oscilloscope

Tablet Oscilloscope

tBook Series

100/150/200
MHz

Bandwidth

1/2GS/s

Sampling Rate

18/90Mpts

Memory Depth

2/4

Channels

10.1" TFT LED
1024*600 pixels

Display

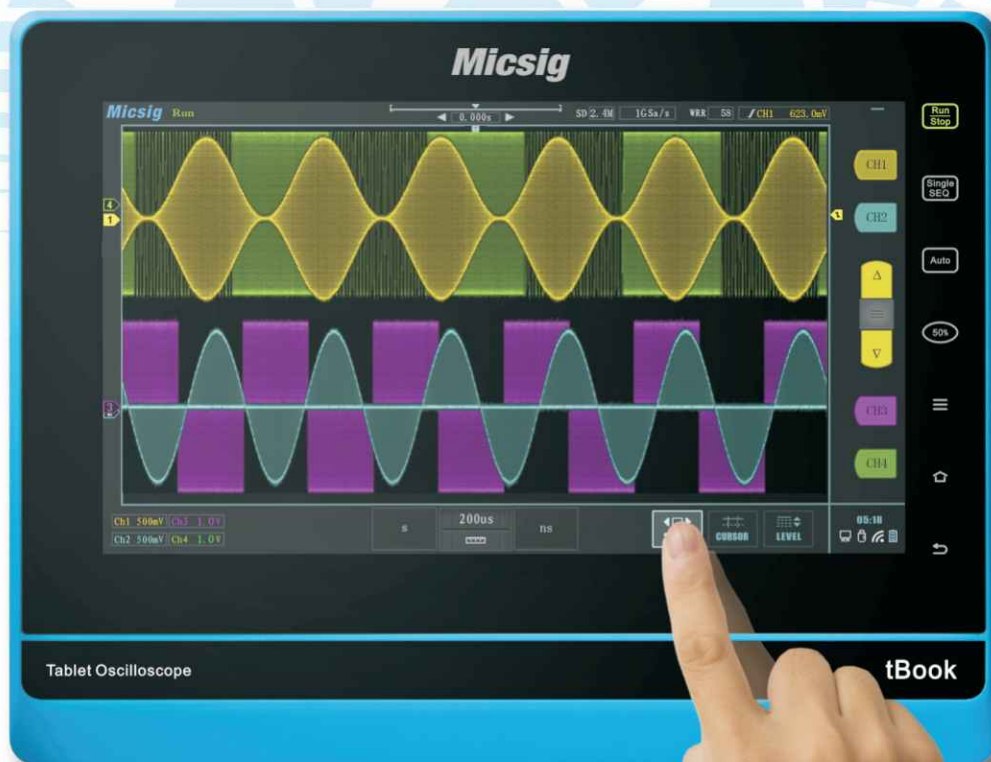
15,000mAh

Battery

250,000/500,000
wfms/s

Capture Rate

WORLDWIDE FIRST



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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

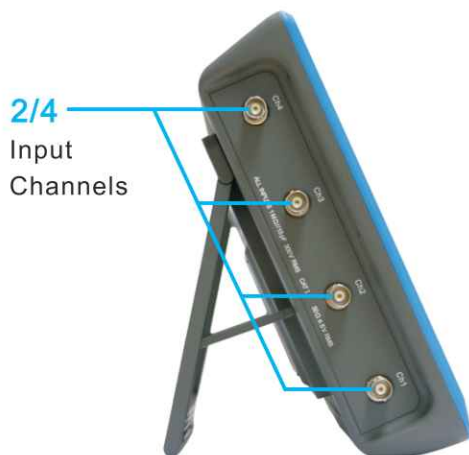
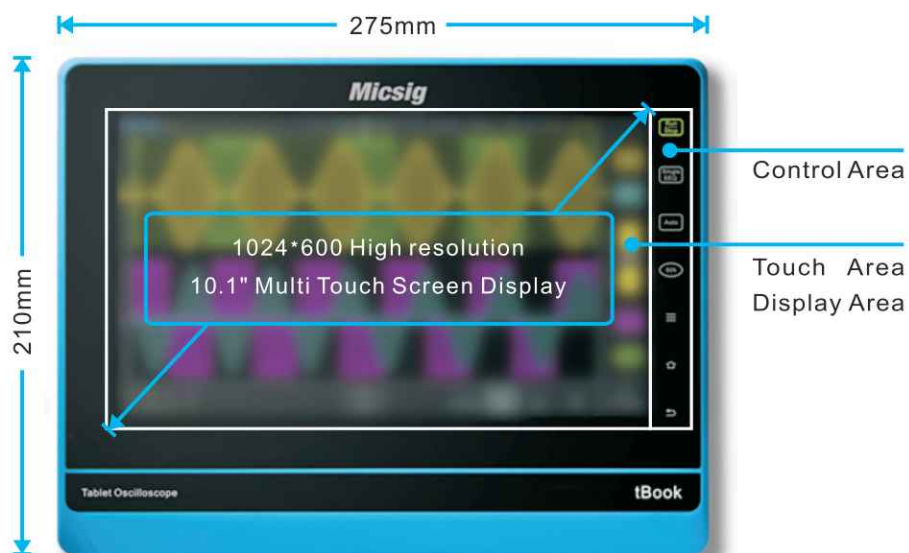


Swipe down the Menu



Drag out Channel Menu

Appearance | Function | Feature



Various Interfaces



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

All operation by tap or slide, more humanized.



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

High capture rate to capture abnormal events.



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

tBook

50Ω input impedance make waveform clearer and more precise.



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

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



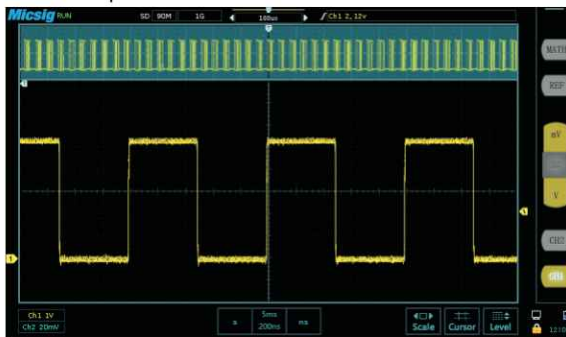
Deeper memory depth, observe general signal and details easily.

Get rid of buttons and knobs, more durable.



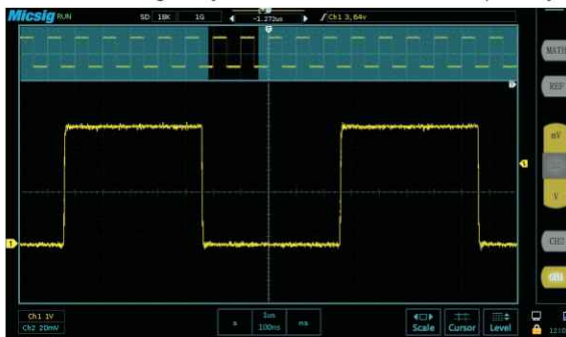
Deeper memory depth

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.



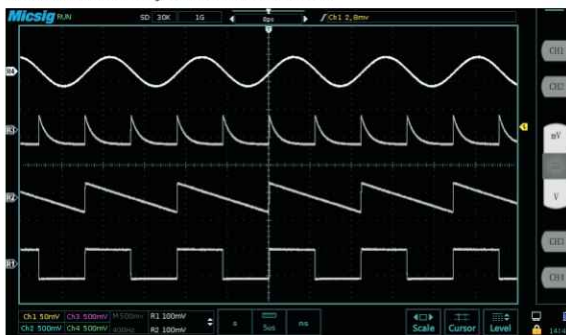
Storage

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



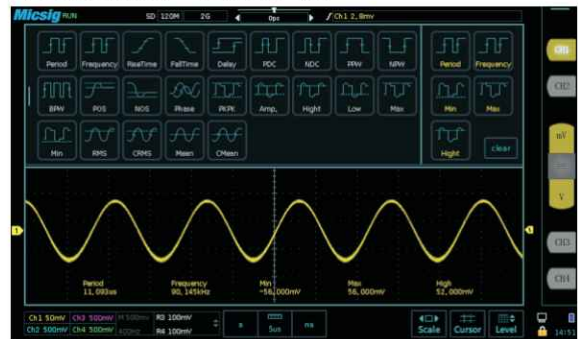
Reference waveform

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.



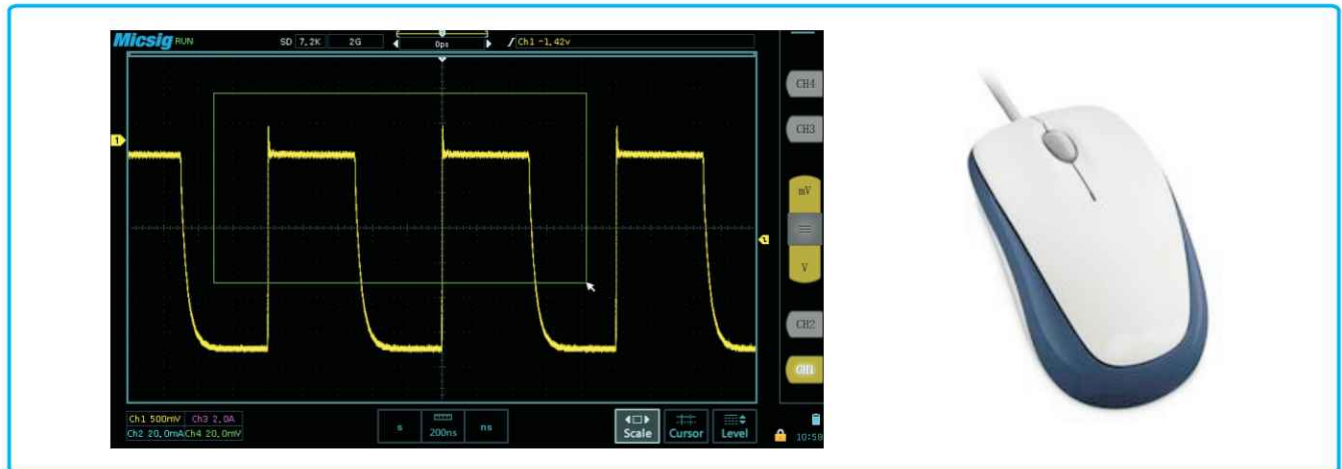
Operation protection

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



Mouse Operation

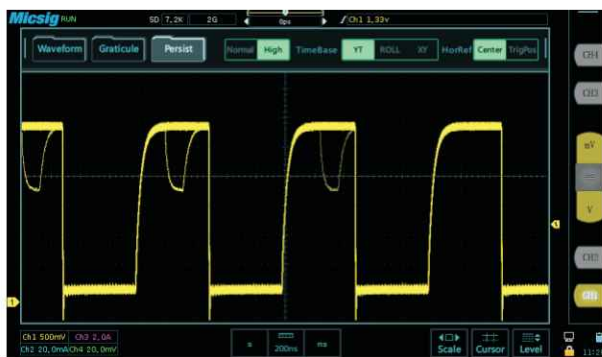
Abundant operation, except for multi-touch, user can operate the oscilloscope by mouse connected with USB port. Mouse operation brings you one more option when measuring.



Optional Function

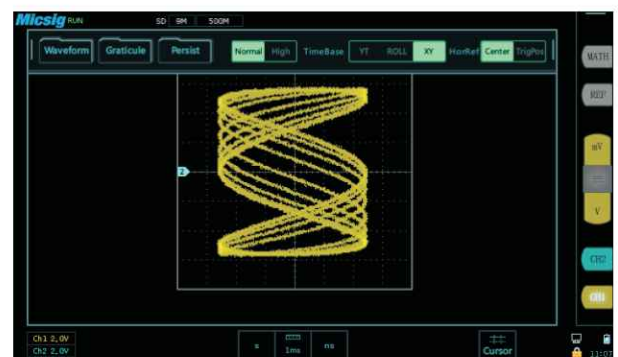
High capture rate

tBook series capture rate can be upgraded to 250,00wfms/s or 500,000wfms/s. 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.



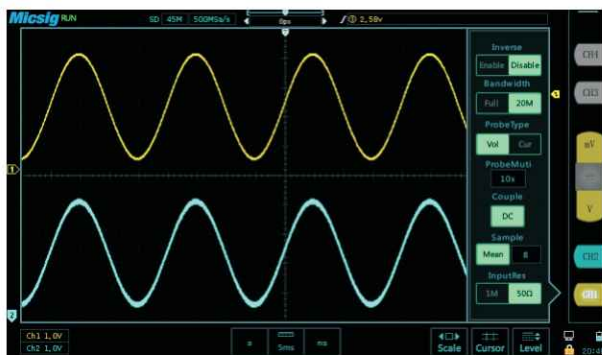
XY mode

Using XY mode is quick and easy to view Lissajous-Figur, 4CH tablet oscilloscope supports simultaneous display two Lissajous-Figur.



50Ω Input impedance

If choose 50Ω input impedance, it can match the 50Ω probe to make waveform clearer and more precise.



Bigger capacity Battery

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



Tablet Oscilloscope

tBook Series

Model	TO102 TO104	TO102A TO104A	TO152 TO154	TO152A TO154A	TO202 TO204	TO202A TO204A
Bandwidth	100MHz	100MHz	150MHz	150MHz	200MHz	200MHz
Risetime	≤3.5ns	≤3.5ns	≤2.3ns	≤2.3ns	≤1.75ns	≤1.75ns
Real time sampling rate	1GS/s	2GS/s	1GS/s	2GS/s	1GS/s	2GS/s
Memory depth	18M					
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	Software optional · 250,000wfms/s waveform capture rate for TO*** model · 500,000wfms/s waveform capture rate for TO***A model · 90M memory depth for all model · 50Ω Input impedance, XY mode Hardware optional · 15,000mAh Built-in battery					

Standard Accessories

Item	Description
USB Cable	Connect scope with PC
Probe	Standard passive, bandwidth and quantity depend on model
Power adapter	For charging
USB calibration connect board	Probe compensation
CD	Product Quick Guide and Safety Information

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