

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 LCD
1024*600 pixels

Display

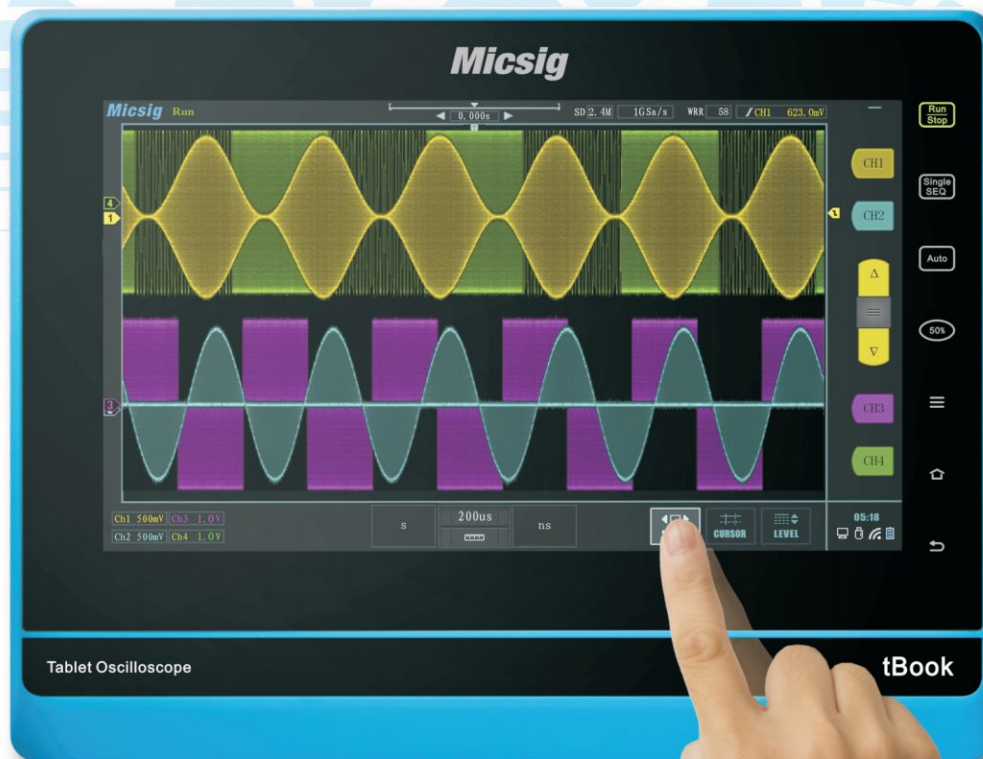
13,000mAh

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

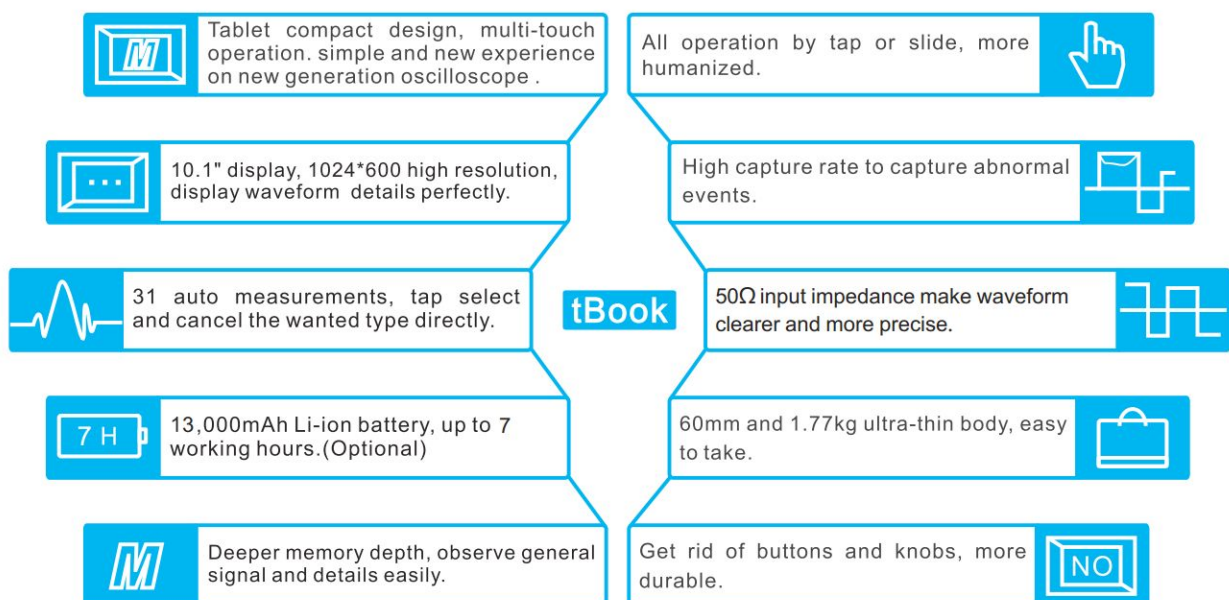
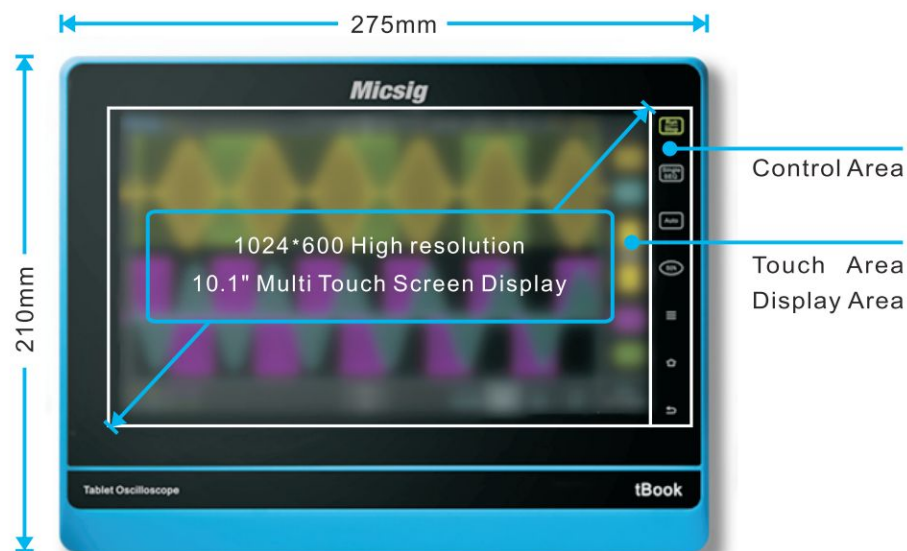


Swipe down the Menu



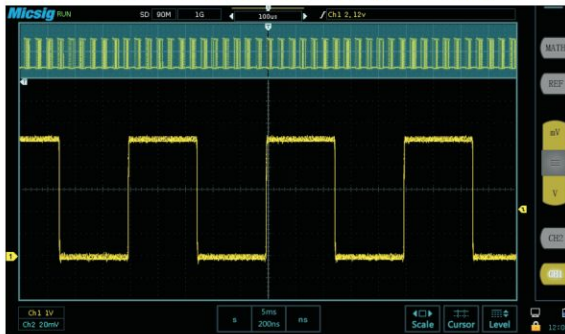
Drag out Channel Menu

Appearance | Function | Feature



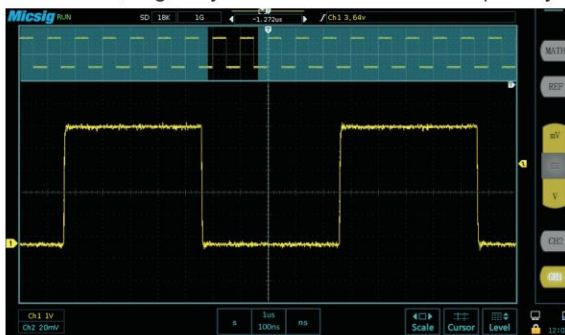
Deeper memory depth

Not only observe general waveform but also can find every waveform detail. To*** model standard memory depth is 18Mpts(90Mpts is optional) and TO***A model standard memory depth is 90Mpts.



ZOOM

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



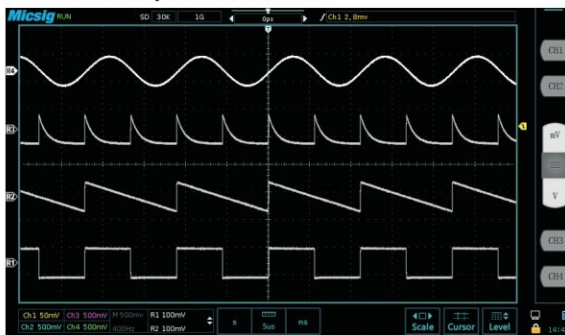
Storage

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



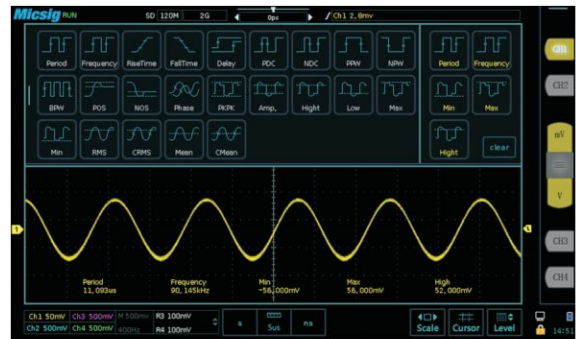
Reference waveform

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



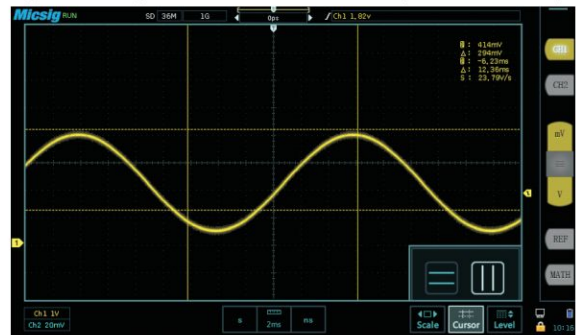
Automatic Measurement

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



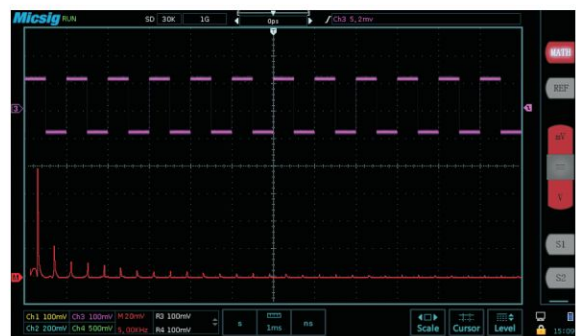
Cursor

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.



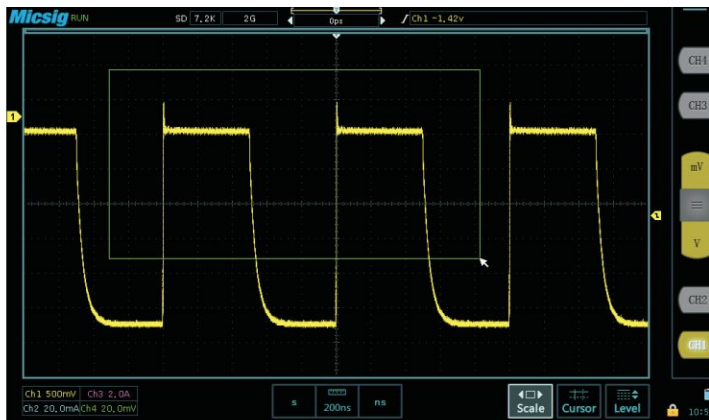
Operation protection

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



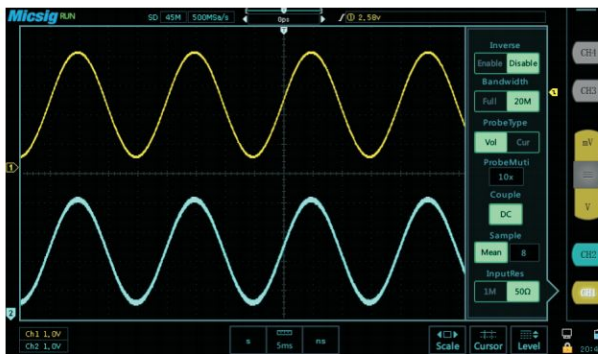
Mouse Operation

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.



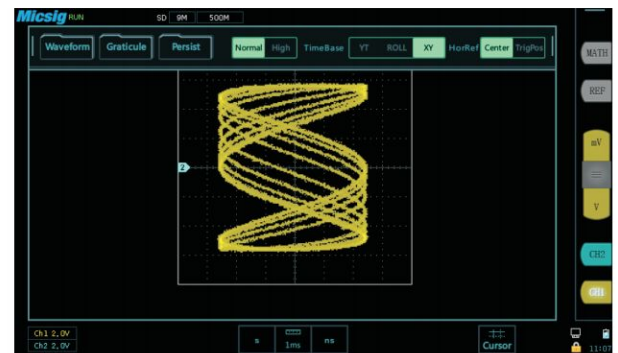
50Ω Input impedance

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



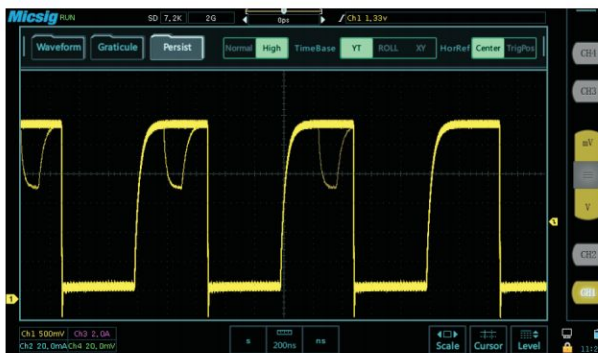
XY mode

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



High capture rate

tBook series standard waveform capture rate is 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.



Bigger capacity Battery

Regarding battery, we provide 13,000mAh for your option to meet your longer battery life.



13,000mAh

7 hours working time

Tablet Oscilloscope Book Series

Model	TO102 TO104	TO102A TO104A	TO152 TO154	TO152A TO154A	TO202 TO204	TO202A TO204A
Bandwidth	100MHz	100MHz	150MHz	150MHz	200MHz	200MHz
Rise time	≤3.5ns	≤3.5ns	≤2.3ns	≤2.3ns	≤1.75ns	≤1.75ns
Sample rate	1GS/s	2GS/s	1GS/s	2GS/s	1GS/s	2GS/s
Memory depth	18Mpts (90Mpts option)	90Mpts	18Mpts (90Mpts option)	90Mpts	18Mpts (90Mpts option)	90Mpts
Maximum waveform capture rate	250,000wfm/s	500,000wfm/s	250,000wfm/s	500,000wfm/s	250,000wfm/s	500,000wfm/s
Analog channels	2 / 4					
Display screen	10. 1" TFT LCD Multi point touchable capacitive screen, resolution:1024 *600 pixels					
Operation	Mouse, Multi-touch: tap, swipe and pinch					
Time base range	2ns/div to 1,000s/div for TO*** model, 1ns/div to 1,000s/div for TO***A model					
Vertical resolution	8 bit					
Vertical scale	2mV/div to 5V/div					
Trigger types	Edge, Pulse, Logic					
Automatic measurements	Period, Frequency, Risettime, Falltime, Delay, PDC, NDC, PPW, NPW, BPW, POS, NOS, Phase, PKPK, Amp., Height, Low, Max, Min, RMS, CRMS, Mean, CMean					
Arithmetic	Add, subtract, multiply and divide waveforms.					
FFT	Spectral magnitude . Set FFT Vertical Scale to Linear RMS or dBV RMS, and FFT Window to Rectangular, Hamming, Hanning or Blackman-Harris					
I/O port	USB Host, USB Device					
Built-in storage	4GB, support external USB storage device					
Dimensions, weight	Dimensions: 275mm(Width) * 210mm(Height) * 60mm(Depth), net: 1770g					

Standard Accessories

Item	Description
Probe	Standard passive probe, bandwidth and quantity depend on model
MicroUSB Cable	Connect PC
Power adapter	For charging
USB calibration board	Probe compensation
Documents	Product Quick Guide, Safety Information, Packing List, Calibration Certificate, Quick Start

Optional Accessories

Item	Description
Built-in battery	13,000mAh capacity battery up to 7 hours working time
Handbag	Dimention: 410mm(Width) * 300mm(Height) * 130mm(Depth)

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