Micsig® Tablet Oscilloscope Innovator

New Generation Oscilloscope

Tablet Oscilloscope tBook Series

100 to 200 MHz	2GSa/s	18/90Mpts	Full touch Mouse
Bandwidth	**Sampling Rate**	**Memory Depth**	**Operation**

2 or 4	10.1" TFT LCD 1024*600 pixels	up to 6 hours	250k or 500k wfm/s
Channels	**Display**	**Battery**	**Capture Rate**

WORLDWIDE FIRST

## Shenzhen Micsig Instruments Co., Ltd.

Introduction

Micsig tBook series tablet oscilloscope combines with a simple and intuitive user interface, delivers a more enjoyable testing experience to you. Upon first use, you will discover that you can easily manipulate waveforms using the same gestures and controls found on your smart phone or tablet. It only takes minutes to learn to use!
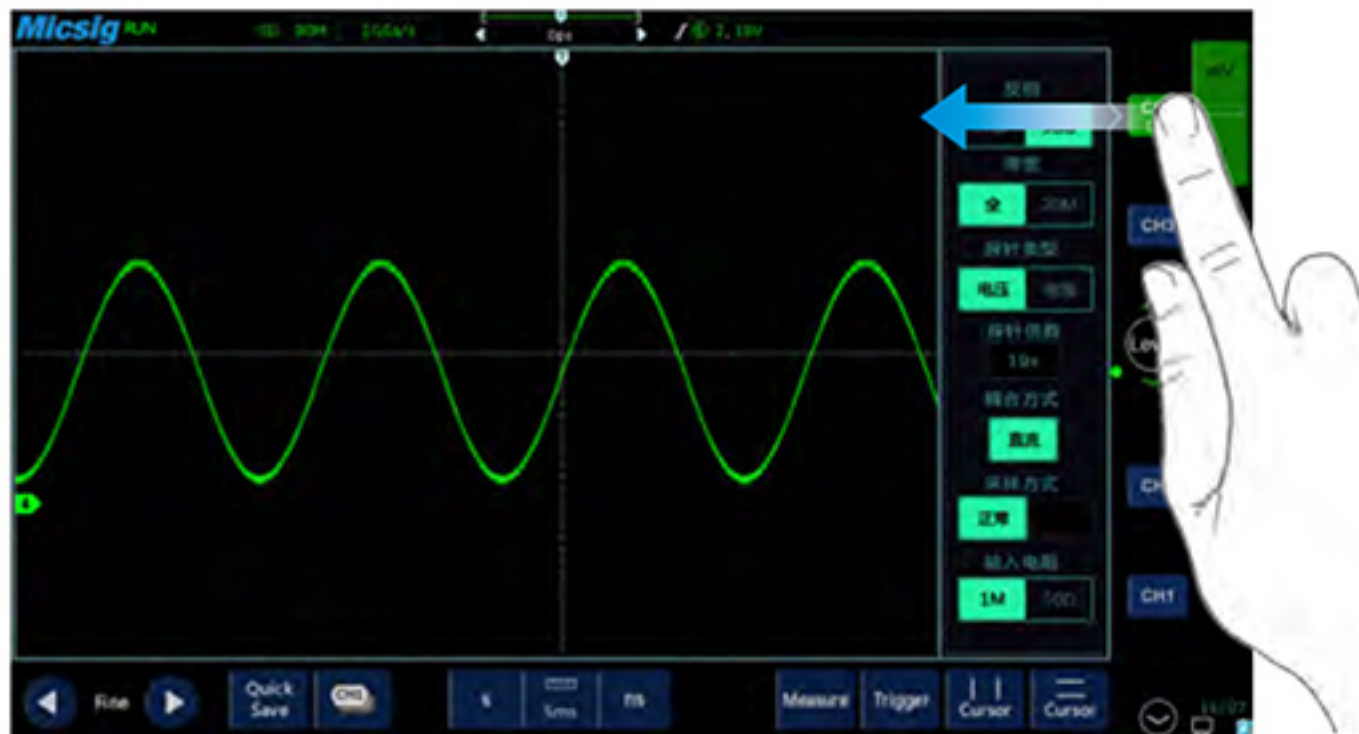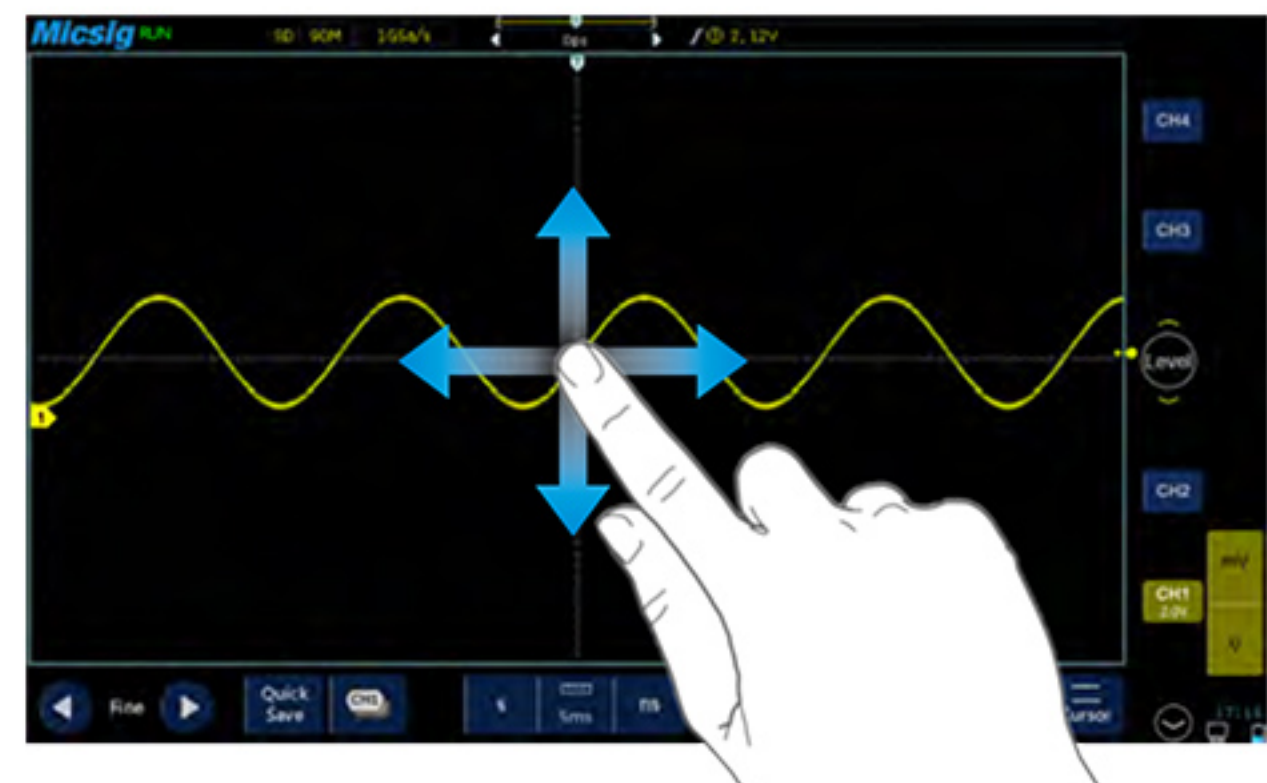

Touching and sliding the input channel buttons will open the channel's setting menu.
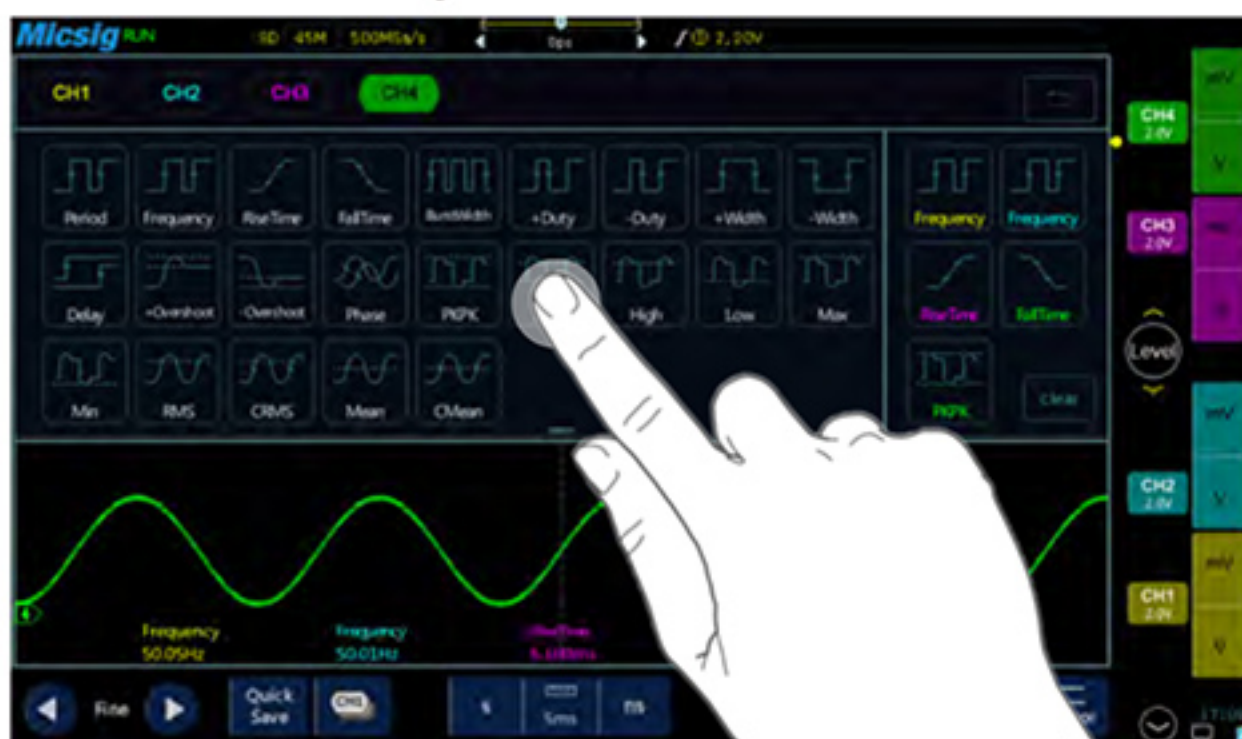

Swipe downward from the top edge to open the main menu.
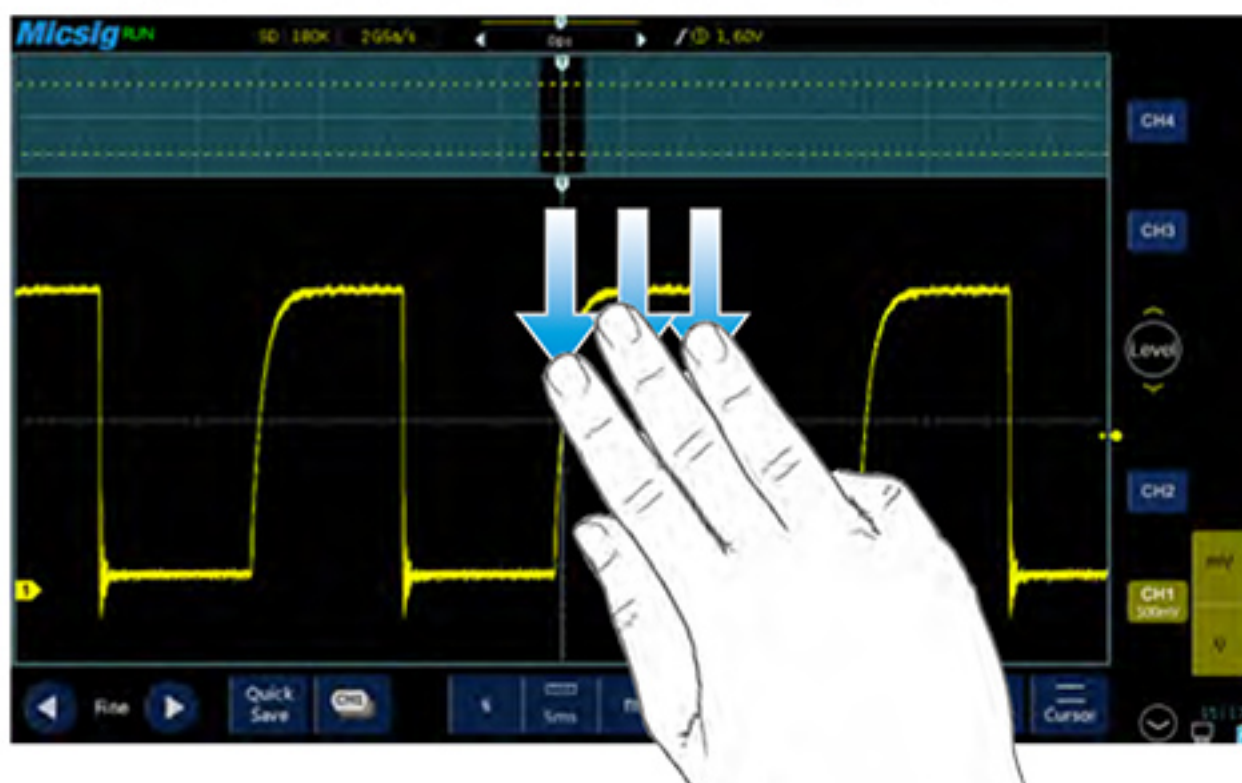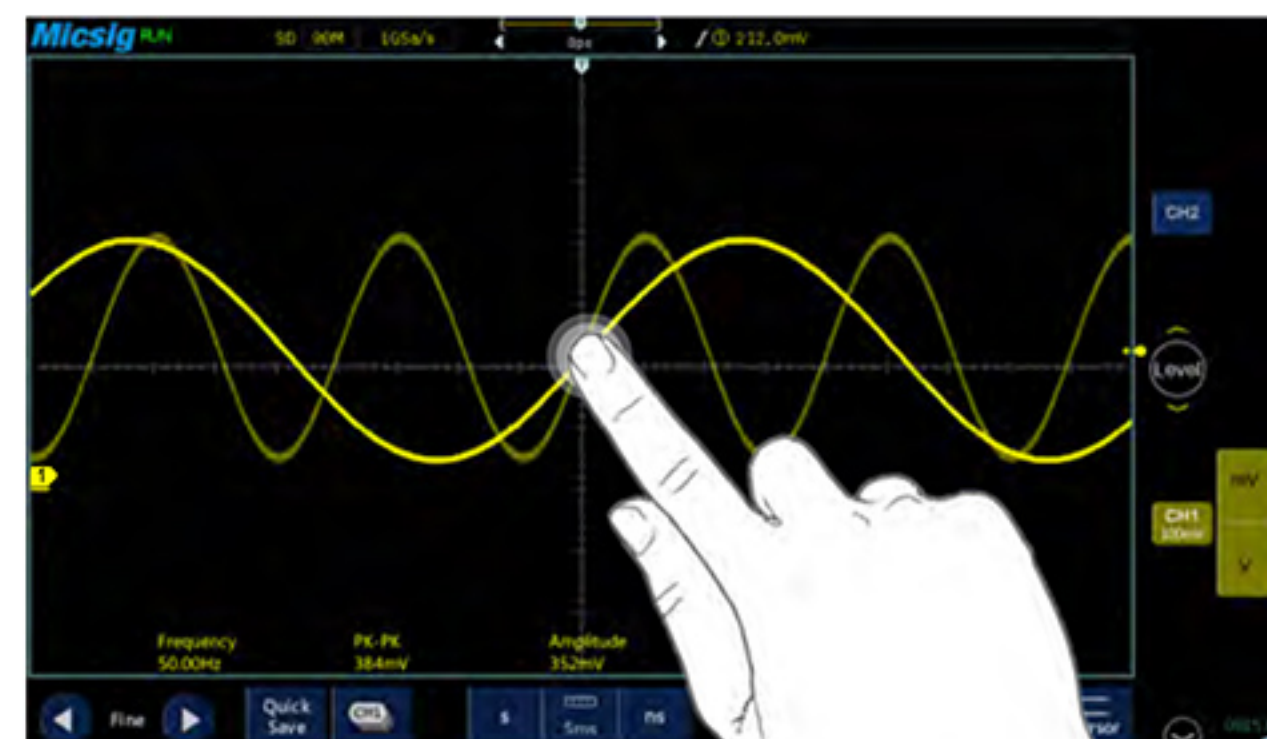

Swipe downward with three fingers simultaneously to directly access the ZOOM function directly.

Slide your finger across the screen to quickly and precisely move the waveform along any dimension.
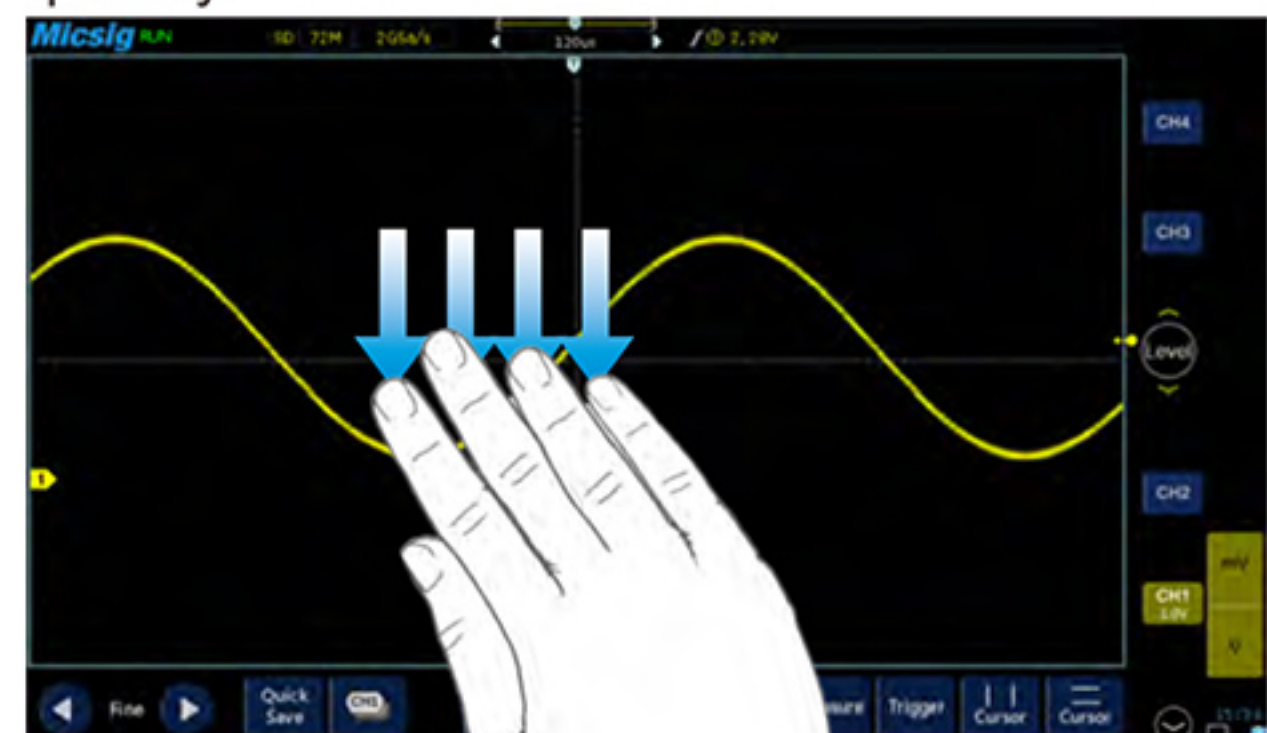

Swipe downward from the top edge of the screen to immediately access 31 types of measurement options in one time.

Gently double tap to zoom in,use the ruler slider to easily adjust the time base very quickly.
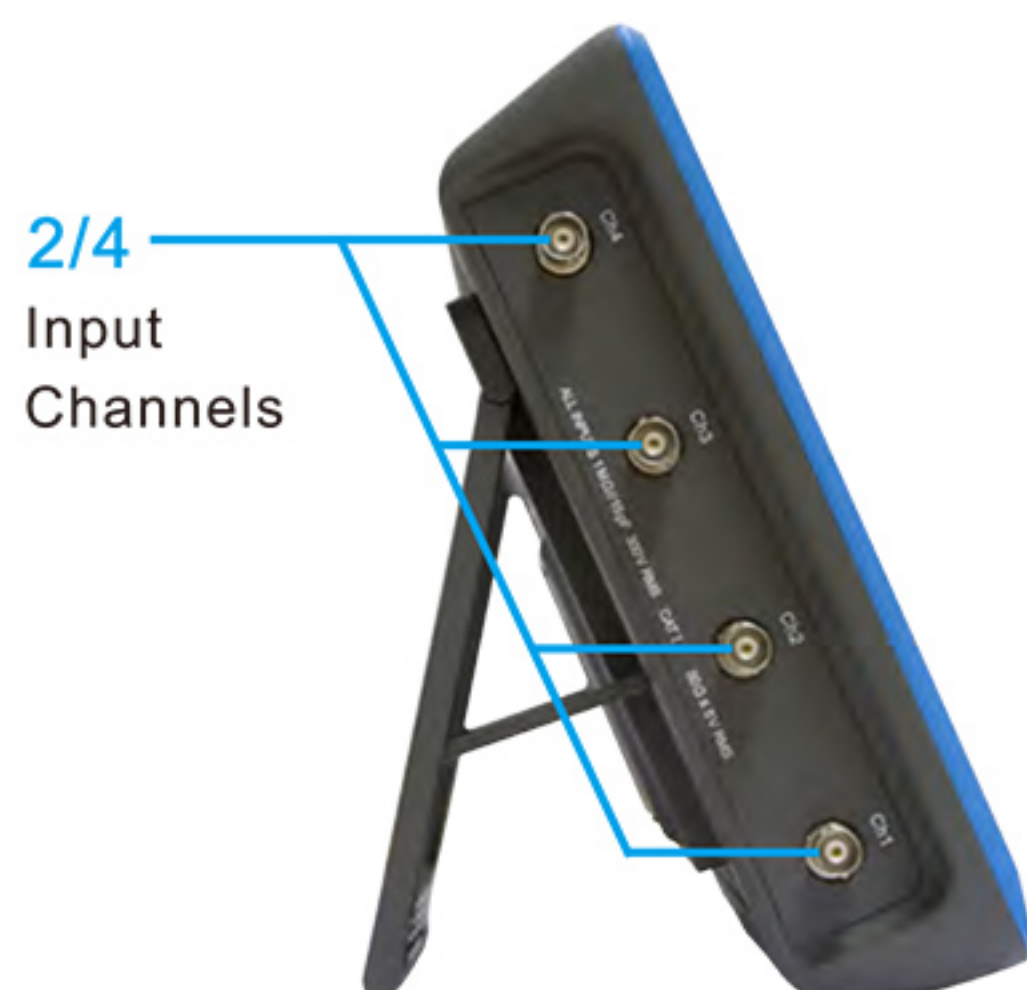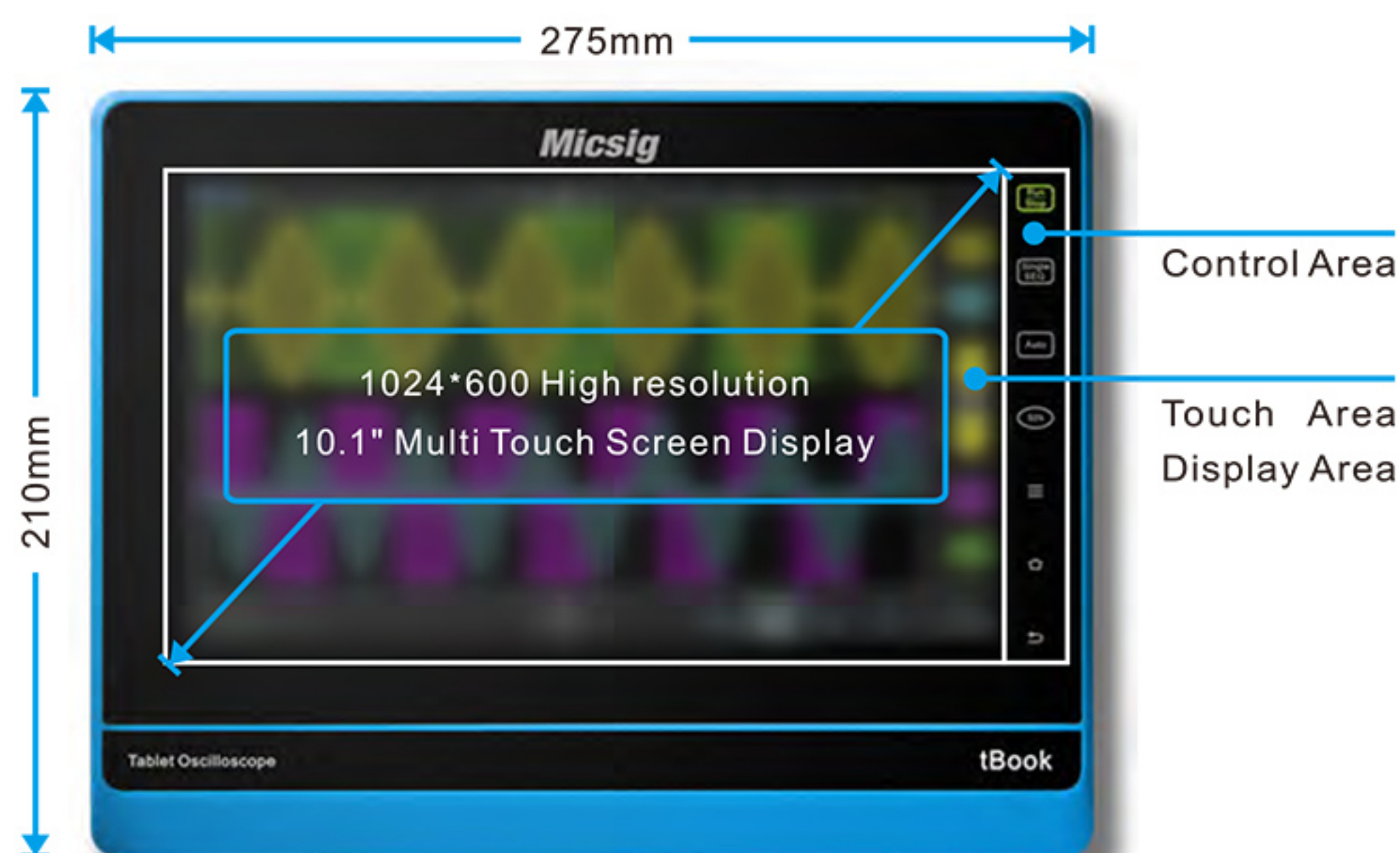

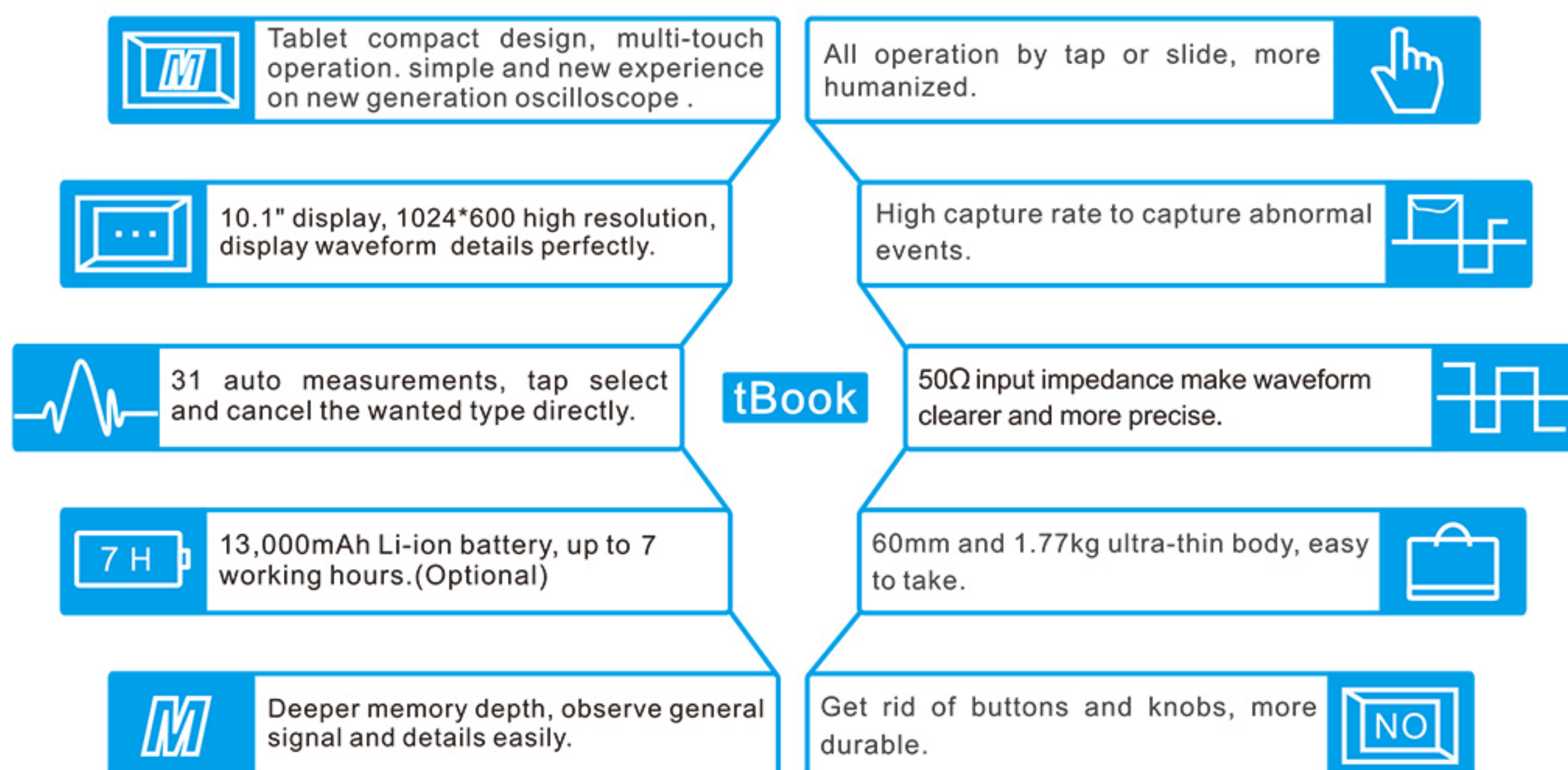The dedicated Quicksave icon is a one-touch button for saving waveforms.

Swipe downward with four fingers to instantly take a screenshot of the waveform.

Appearance | Function | Feature

275mm

210mm

Micsig

1024*600 High resolution
10.1" Multi Touch Screen Display

Tablet Oscilloscope   tBook

Control Area

Touch Area
Display Area

2/4
Input
Channels

Various
Interfaces

Power

Device stand

USB Host

USB Device

Ground terminal

Charging interface

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.

7 H 13,000mAh Li-ion battery, up to 7 working hours.(Optional)

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

Deeper memory depth, observe general signal and details easily.
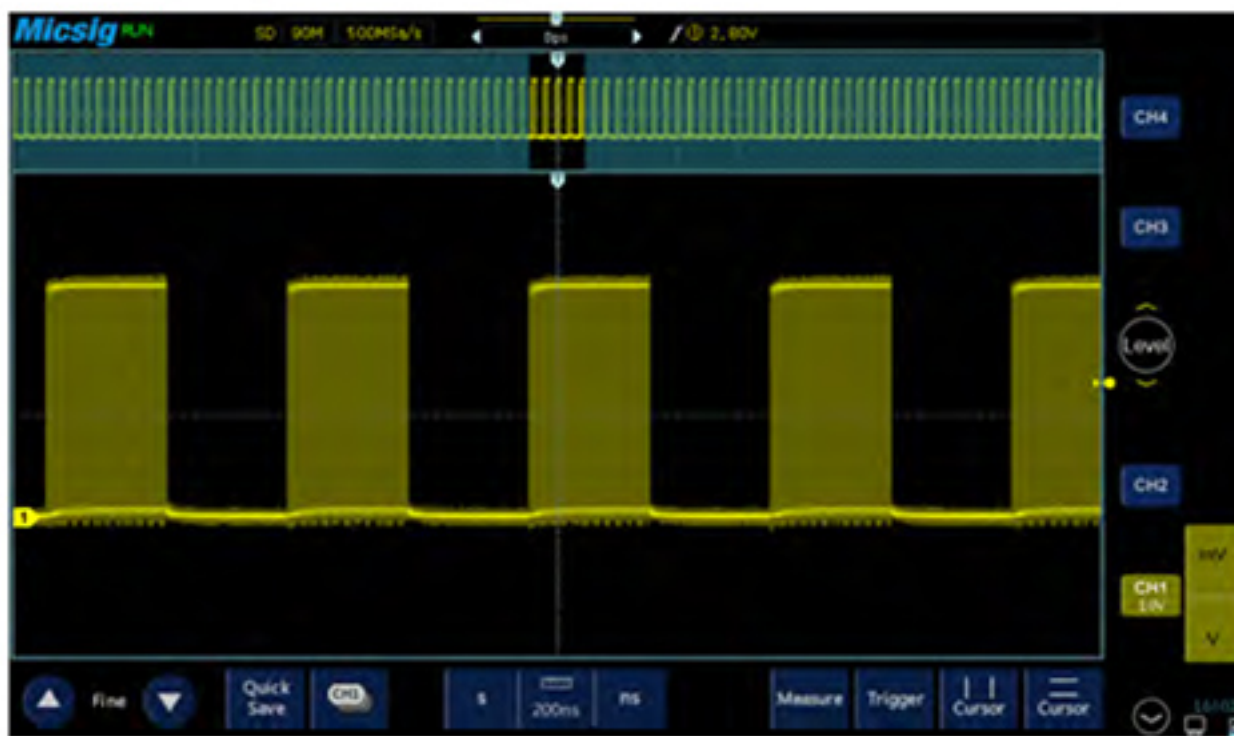
Get rid of buttons and knobs, more durable.

NO

Deeper memory depth

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


50Ω Input impedance

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

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.
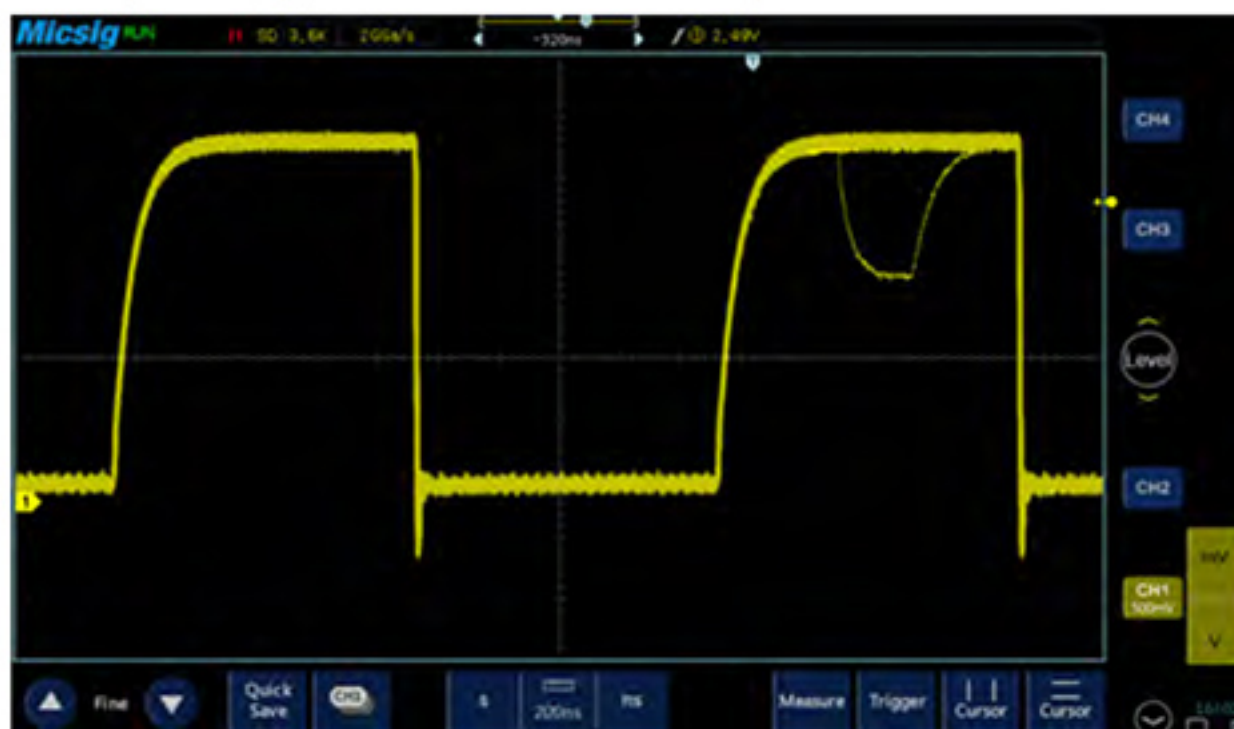
Reference waveform

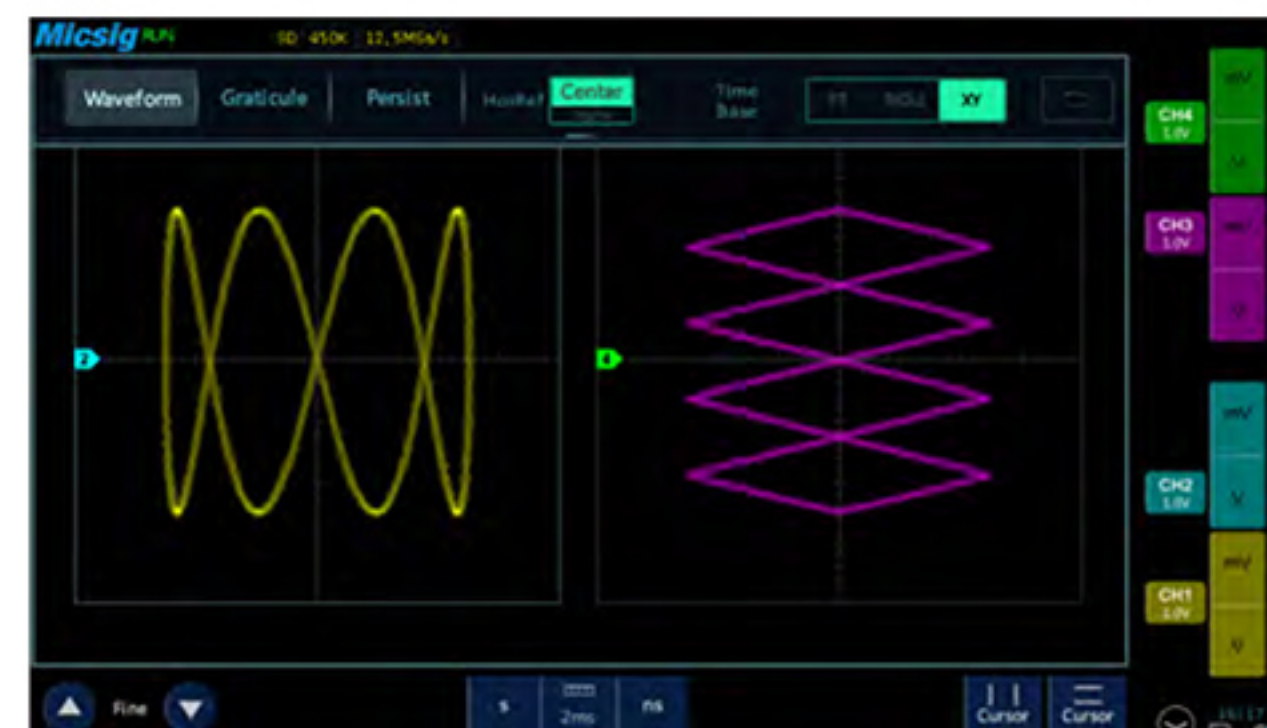You can set 4 sets reference waveform to compare, which makes you work easier.

Automatic Measurement

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

XY mode

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

Math Functions

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

Bigger capacity Battery

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

Battery

Tablet Oscilloscope tBook 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	2GS/s	2GS/s	2GS/s	2GS/s	2GS/s	2GS/s
Memory depth	18Mpts	90Mpts	18Mpts	90Mpts	18Mpts	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,Time Out, Dwart PW, Slope, N Edge, Video					
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					
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	Probe compensation, Use cable to connect USB calibration board with tBook to compensate probe.
Power adapter	For charging
USB calibration board	Probe compensation
Others	Product Quick Guide, Safety Information, Packing List, Calibration Certificate, Quick Start,
CD	Tablet oscilloscope quick start guide, Safety information, Micsig catalogue
Documents	Calibration certification, Packing List

Optional Accessories

Item	Description
Built-in battery	10, 000mAh or 13,000mHh recharging Li-on battery.
Handbag	Black Nylon