



# TRUMP CARD

## OUTSTANDING EVERYWHERE



**3 IN1**  
Switch at will



**MINI PORTABLE**  
Field Repair



**1500MAH LITHIUM BATTERY**  
Super battery life



**AUTO**  
Efficient&Worry-free



**FOLDING BRACKET**  
Non-slip&Multi-angle



**PARAMETER MEASUREMENT**  
Under control

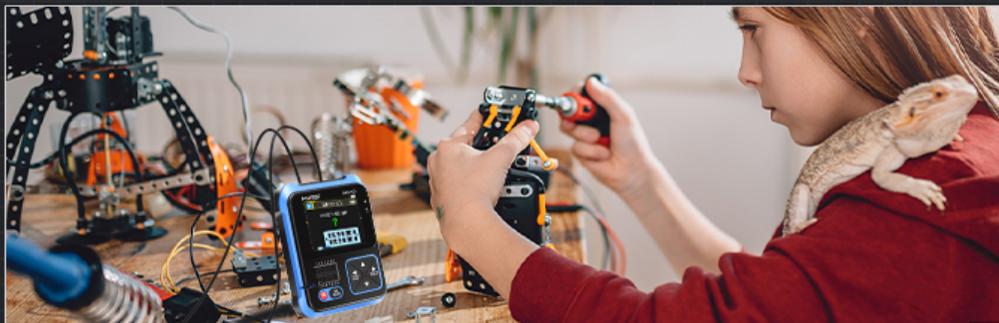


**INFRARED DECODING**  
Fast conversion



**INTELLIGENT ANTI-BURNING**  
Fast conversion

# APPLICATION SCENARIO



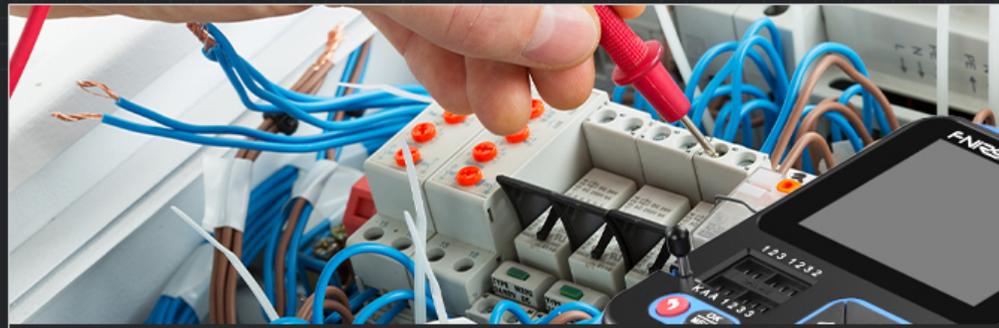
**DIY LEARNING**



**APPLIANCE REPAIR**



**ON-SITE COMMISSIONING**



**POWER MEASUREMENT**



**DETECT WHAT  
YOU DETECT**

**DETECT PROBLEM ACCURATELY**

Basically meet the needs of all component detectors

One-button switching fast, accurate and stable

# ONE TOUCH TO ACHIEVE CAPTURE ACCURATELY

High sensitivity capture, Accurate and fast



One-button switching fast, accurate and stable

# 6 MAJOR WAVEFORMS SWITCH AT WILL

Sine wave, Square wave, Pulse wave  
Triangle wave, Ramp wave, DC



One-button switching fast, accurate and stable

# INGENUITY IMPECCABLE

It is resistant to falling and more durable

**ABS SHELL IS MORE  
DROP-PROOF**



**ANTI-SKID  
DESIGN**



**TYPE-C  
CHARGING  
INTERFACE**



**HIGH ELASTIC  
TOUCH  
BUTTON**



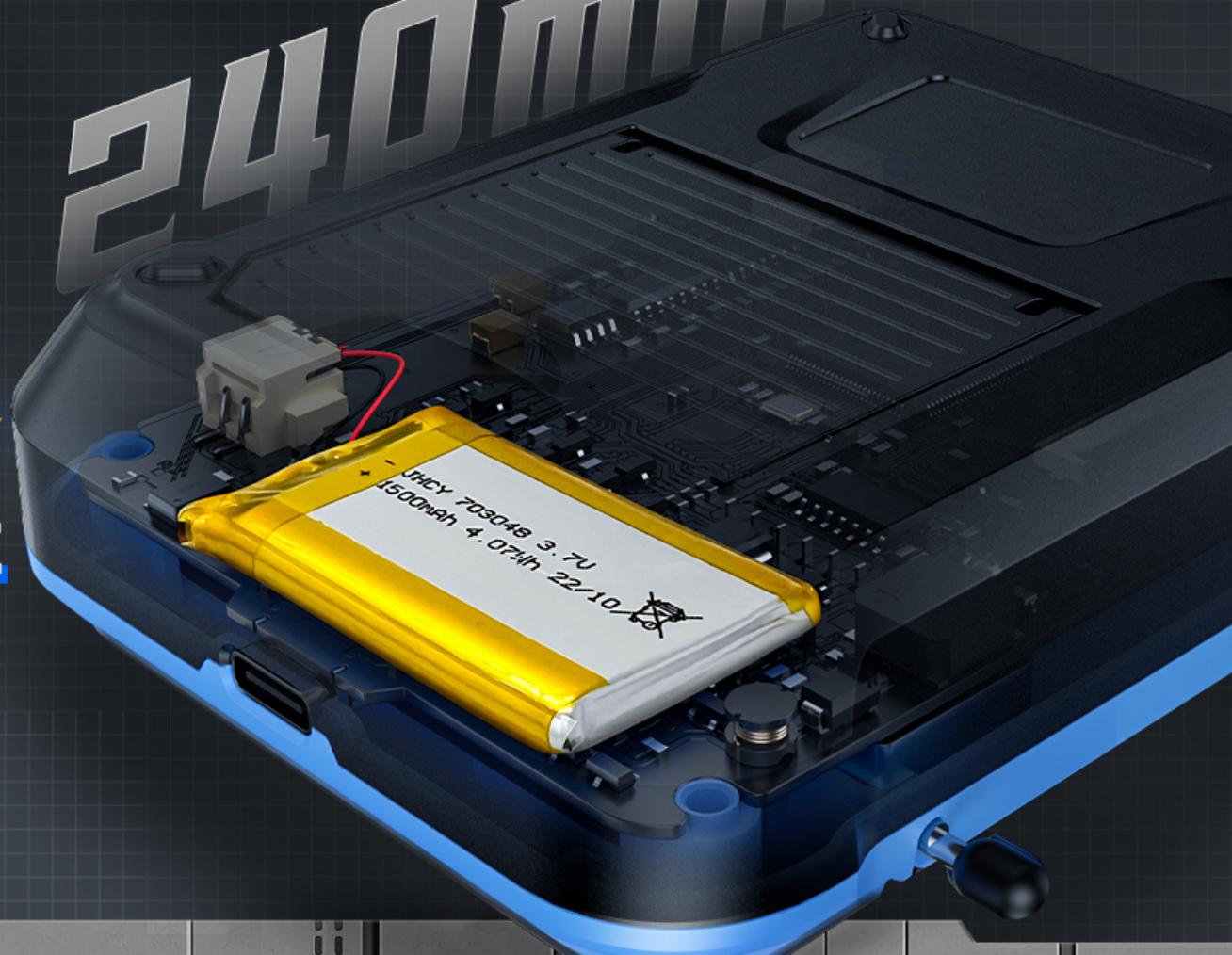
One-button switching fast, accurate and stable

# 1500MAH HQ POLYMER LITHIUM BATTERY

## 4H SUPER BATTERY LIFE

Eco-friendly & Portable

# 240min



One-button switching fast, accurate and stable



**2.4-INCH TFT FULL  
COLOR HD DISPLAY**  
**VISIBLE EVEN IN SUNLIGHT**



One-button switching fast, accurate and stable

# INVISIBLE BRACKET

## RELEASE YOUR HANDS

One-piece folding bracket, Stable and does not take up space

Function introduction of transistor detector

# TRANSISTOR TESTER

- ▶ Automatically identify and measure various transistors, including NPN and PNP triode, N-channel and P-channel mosfet, JFET, diodes, double diodes, thyristors, as well as resistors, inductors, capacitors, etc. passive components.
- ▶ Automatic detection of pin definitions.

**CAPACITANCE  
RESISTANCE  
INDUCTANCE  
DETECTION**



**TRIODE  
DETECTION**



**DIODE  
DETECTION**



**MOSFET  
DETECTION**



# DIGITAL OSCILLOSCOPE

- ▶ Real-time sampling rate 10MS/s, bandwidth 500Khz
- ▶ Maximum measurement of 400V voltage signal
- ▶ With complete trigger function (automatic, single, regular)
- ▶ Equipped with an efficient key AUTO, the measured waveform can be displayed without cumbersome adjustments.
- ▶ Comes with 1KHz calibrated square wave



**220V MAINS  
POWER MEASUREMENT**



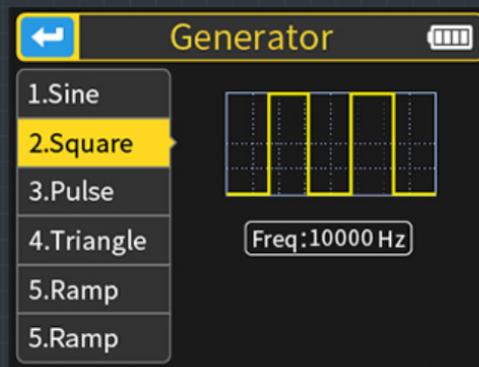
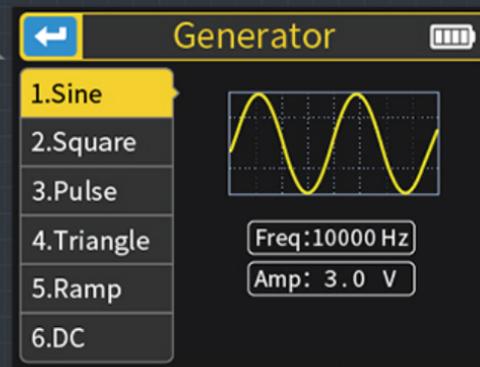
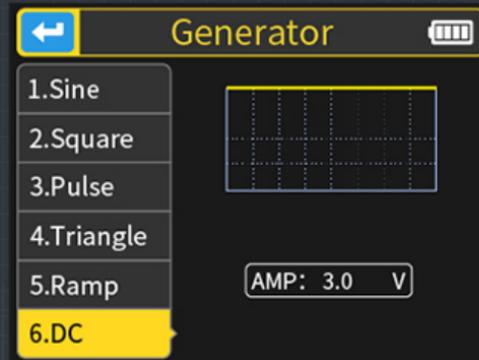
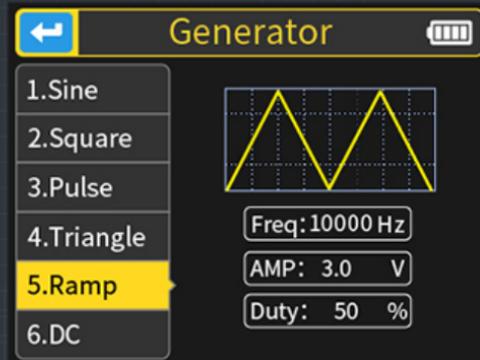
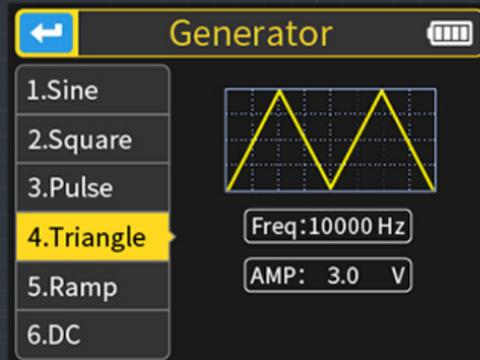
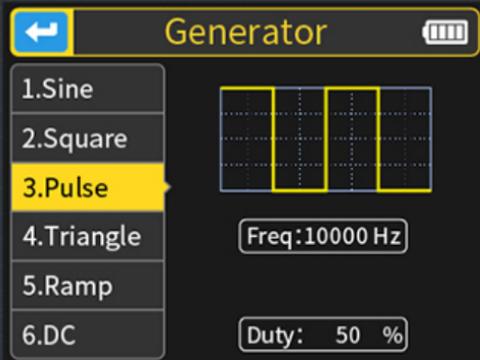
**SWITCHING POWER  
SUPPLY DETECTION**



**VARIOUS WAVEFORM  
DETECTION**

# FUNCTION SIGNAL GENERATOR

- ▶ 6 kinds of signal waveforms: sine wave, square wave, pulse wave, triangle wave, ramp wave, DC
- ▶ Output frequency adjustable 1-100KHz
- ▶ Output voltage adjustable 3.3V
- ▶ Output duty ratio adjustable 0-100%



# TOOL BOX

- ▶ Automatically analyze NEC protocol infrared code
- ▶ Other function modes: including circuit continuity test, 0~40V input voltage measurement, PWM output, 0~32V Zener diode measurement, DS18B20 temperature sensor measurement, DHT11 temperature and humidity sensor measurement, etc.

Tools 

- 1.Tongduan
- 2.Voltage
- 3.DS18B20
- 4.DHT11
- 5.IR Decode
- 6.Caliberate

OL.  $\Omega$

Tools 

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Range: 0-40V



Tools 

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UserCode:00FF



DataCode:5AA5

Tools 

- 1.Tongduan
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- 4.DHT11
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- 6.Caliberate

60%



Pls Short Probe

Tools 

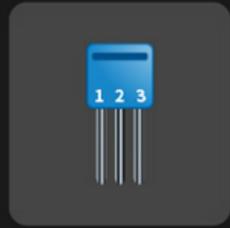
- 1.Tongduan
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- 3.DS18B20
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- 5.IR Decode
- 6.Caliberate

Put pin 124 to holes with different NO.



Tools 

- 1.Tongduan
- 2.Voltage
- 3.DS18B20
- 4.DHT11
- 5.IR Decode
- 6.Caliberate



## DSO-TC3 SPECIFICATIONS & PARAMETER

- ① Return key
- ② Menu/Enter key
- ③ Left Key
- ④ Up Key
- ⑤ Down key
- ⑥ Right Key
- ⑦ IN(0-40V)
- ⑧ PWM
- ⑨ DSO

## DIGITAL OSCILLOSCOPE

Real-time sample rate	10MSa/s
Analog Bandwidth	500Khz
Input resistance	1M $\Omega$
Coupling method	AC/DC
Test voltage range	400V
Vertical Sensitivity (x1)	10mV-10V
Horizontal time base range	1 $\mu$ s-10s
Trigger mode	Auto / Normal / Single
Trigger type	Rising edge / Falling edge
Waveform Freeze	Yes
Automatic measurement	Yes



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Automatic measurement	Yes

## FUNCTION SIGNAL GENERATOR

sine wave	1-100KHz/0-3.3V/50%
Square wave	1-100KHz/3.3V/50%
Pulse wave	1-100KHz/3.3V/0-100%
Triangle wave	1-100KHz/0-3.3V/50%
Ramp	1-100KHz/0-3.3V/0-100%
DC	0-3.3V

## TRANSISTOR TESTER & TOOLS

Category	Range	Parameter Description
Triodes	$\beta$ is greater than 10 and less than 600	Magnification hfe, base-emitter voltage Ube, Ic/Ie, collector-emitter reverse cut-off current Iceo, Ices, protection diode forward voltage drop Uf.
Diodes	Forward voltage drop <4.5V	Forward voltage drop, junction capacitance, reverse leakage current
Regulated diode	0.01~4.5V 0.01~32V	(1-2-3 test area) forward voltage drop, reverse breakdown voltage. (K-A-A test area) reverse breakdown voltage
MOSFET	JFET	Gate capacitance Cg, drain current Id under Vgs, protection diode Tube forward pressure drop Uf.
	IGBT	Drain current Id under Vgs, protection diode forward voltage drop Uf
	MIOSTET	Turn-on voltage Vt, gate capacitance Cg, drain-source resistance Rds, protection Diode forward voltage drop Uf.
SCRs TRIAC	Turn-on voltage <5V, gate Pole trigger current<6mA	Gate voltage
Capacitor	25pF~ 100mF	Capacitance value, loss factor Vloss
Resistor	0.01Ω ~ 50MΩ	Resistance
Inductor	10uH~ 1000uH	Inductance value, DC resistance
Battery	0. 1~4.5V	Voltage value, positive and negative polarity
Input voltage	0~ 40V	Voltage value
DS18B20	0-85°C	Temperature
DHT1	0-60°C/5-95%	Humidity
Infrared remote decoding	NEC protocol infrared code	Display user code and data code, and display the corresponding infrared waveform.

# PACKING LIST

## NO.1 (STANDARD)



1



2



3



4



5



6

- 1 DSO-TC3 \*1
- 2 Test hook\*3
- 3 Ordinary probe\*1
- 4 Packing box\*1
- 5 Manual\*1
- 6 Type-C charging cable\*1

## NO.2 (OPTION)



1



2



4



5

3



6



7



8

- 1 DSO-TC3 \*1
- 2 P6100 High Voltage Probe\*1
- 3 Adapter\*1
- 4 Ordinary probe\*1
- 5 Test hook\*3
- 6 Packing box\*1
- 7 Manual\*1
- 8 Type-C charging cable\*1