

## THE MAIN PARAMETERS OF THE DEVICE

Model	DSO-TC3
Display	2.4 inches TFT color screen
Supply voltage	Built-in 1500mah rechargeable lithium battery
Charging Specifications	USB Type-C, +5V
Volume	79*103*31mm
Bracket Specifications	One-piece Foldable Bracket

## 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	1us-10s
Trigger mode	Auto / Normal / Single
Trigger type	Rising edge / Falling edge
Waveform Freeze	Yes
Automatic measurement	Yes

## 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 $C_g$ , drain current $I_d$ under $V_{gs}$ , protection diode Tube forward pressure drop $U_f$ .
	IGBT	Drain current $I_d$ under $V_{gs}$ , protection diode forward voltage drop $U_f$
	MIOSTET	Turn-on voltage $V_t$ , gate capacitance $C_g$ , drain-source resistance $R_{ds}$ , protection Diode forward voltage drop $U_f$ .
SCRs TRIAC	Turn-on voltage <5V, gate Pole trigger current<6mA	Gate voltage
Capacitor	25pF~ 100mF	Capacitance value, loss factor $V_{loss}$
Resistor	0.01 $\Omega$ ~ 50M $\Omega$	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 $^{\circ}$ C	Temperature
DHT1	0-60 $^{\circ}$ C/5-95%	Humidity
Infrared remote decoding	NEC protocol infrared code	Display user code and data code, and display the corresponding infrared waveform.

## 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