

ALL-NEW **UPGRADE** DSO-TC4 POWERFUL FEATURES



3-IN-1 Multifunctional
Digital Oscilloscope



Transistor
Tester



DDS Signal
Generator



UPGRADE COMPARISON



DSO-TC4



DSO-TC3

Feature

Language	Chinese, English, German, Portuguese, Japanese, Spanish, Korean, Russian	Chinese English
Bandwidth	10MHz	500KHz
Sampling rate	48MSa/s	10MSa/s
Time base	50ns~20s	1us-10s
Trigger waveform	13 kinds	6 kinds
Transistor & Diode	✓	✓
Zener Diode	✓	✓
FET (JFET/IGBT/MOS)	✓	✓
SCR & TRIAC	✓	✓
DS18B20 & DHT11	✓	✓
NEC IR Decoding	✓	✓
Capacitor	25pF~100mF	25pF~1000μF
Resistor	0.01Ω~50MΩ	0.01Ω~50MΩ
Inductor	10μH~1000μH	10μH~1000μH
Display Parameters	2.8" TFT color screen	2.4" TFT color screen
USB Image Sharing	✓	✗

EFFICIENT DETECTION INTELLIGENT RECOGNITION

Easily test components like diodes, Zener diodes, thyristors, capacitors, resistors, inductors, transistors, MOSFETs



inductance

capacitance

resistance

triode

POWERFUL FEATURES
GREATER WORK EFFICIENCY



3in1

3 in 1



8 languages

「2.8」

2.8" LCD Screen



Automatic
Calibration



Infrared
Decoding



Voltage
Test



On-off
Test



Intelligent
Anti-burn



USB
Sharing

FULL-RANGE SMART ANTI-BURN PROTECTION

Safe Measurement, Complete
Protection for Your Safety





HIGHER PERFORMANCE

10MHZ BANDWIDTH + 48MS SAMPLING

Precisely Capture Waveforms, Master Every Detail



13 SIGNAL WAVEFORMS FOR VARIOUS TESTING NEEDS

Frequency: 0-50KHz, Amplitude: 0.1-3.0V



8 LANGUAGES SUPPORTED



中文



English



Deutsch



Português



にほんご



E s p a ñ o l



한국인



Р у с с к и й

SMALL TOOL, BIG POWER

ALL-IN-ONE TOOLBOX

NEC IR Decoding

Voltage Test

Continuity Test

DS18B20 Measure

DHT11 Measure



RECHARGEABLE BATTERY AUTOMATIC SHUTDOWN

Built-in **1500mAh** lithium-ion battery,
Type-C charging, automatic sleep
mode, suitable for long working hours



2.8 INCH TFT HD COLOR SCREEN

Clear Waveforms for an
Exceptional Visual Experience



USB SHARING WAVEFORM DATA

Easily manage oscilloscopes and
connect to a PC via a USB cable
Conduct secondary analysis to
make professionalism more
convenient!



BUTTON & INTERFACE OVERVIEW



① Power switch (return button)

③ Run/pause button

⑤ button selection area

⑦ Infrared detection port

⑨ Signal generator output port

⑪ Charging interface Type-c

② Automatic measurement button

④ Mode switch button

⑥ Transistor socket

⑧ Voltage interface

⑩ Oscilloscope channel interface

⑫ Support Stand

– Transistor Tester –

Category	Range	Description
Transistor	*	Amplification factor “hfe”; Base-Emitter voltage “Ube”, Ic/Ie, Collector-Emitter reverse leakage current “Iceo”, Ices, Forward voltage drop of protection diode “Uf”
Diode	Forward voltage drop <5V	Forward voltage drop, Junction capacitance, Reverse leakage current
Zener Diode	0.01~32V	Reverse Breakdown Voltage (K-A-A Test Area)
Field-Effect Transistor (FET)	JFET	Gate capacitance “Cg”, Drain current Id under “Vgs”, Forward voltage drop of protection diode “Uf”
	IGBT	Drain current Id under Vgs, Forward voltage drop of protection diode Uf
	MIOSFET	Threshold voltage “Vt”, Gate capacitance “Cg”, Drain-Source resistance “Rds”, Forward voltage drop of protection diode “Uf”
Unidirectional SCR	Trigger voltage <5V, Gate level	Gate voltage
Bidirectional SCR	Trigger current <6mA	
Capacitor	25pF~100mF	Capacitance value, Loss factor “Vloss”
Resistor	0.01Ω~50MΩ	Resistance value
Inductor	10μH~1000μH	Inductance value, DC resistance
DS18B20	-	Temperature sensor, Pins: GND, DQ, VDD
DHT11	-	Temperature and humidity sensor, Pins: VDD, DATA, GND

– Signal Generator –

Parameter	Specification
Output Waveform	Supports 13 waveform outputs
Waveform Frequency	0-50KHz
Square Wave Duty Cycle	0-100%
Waveform Amplitude	0.1V-3.0V



TECHNICAL SPECIFICATIONS

– Oscilloscope –

Parameter	Specification
Model	DSO-TC4
Screen	2.8-inch TFT Color Screen
Backlight	Brightness Adjustable
Power Supply	TYPE-C (5V/1A)
Battery	3.7V/1500mAh
Languages	中文、English、Deutsch、 Português、 にほんご、Español、 한국인、Русский
Size	≈90x142x27.5mm
Product Weight	≈186g

Parameter	Specification	Remark
Real-Time Sampling Rate	48MSa/s	
Analog Bandwidth	10MHz	
Input Impedance	1MΩ	
Coupling Mode	AC/DC	
Test Voltage Range	1:1 Probe: 80Vpp (+40V) 10:1 Probe: 800Vpp (+400V)	Oscilloscope in X1 Oscilloscope in X10
Vertical Sensitivity	10mV/div~10V/div (X1 range)	
Vertical Displacement	Adjustable with indication	
Time Base Range	50ns~20s	
Trigger Mode	Auto/Normal/Single	
Trigger Type	Rising edge, Falling edge	
Trigger Level	Adjustable with indication	
Waveform Freeze	Yes (HOLD function)	
Automatic Measurement	Max, Min, Avg, RMS, Vpp, Frequency, Cycle, Duty Cycle	

ACCESSORIES LIST



1 DSO-TC4 x1

2 P6100 Probe x1

3 Alligator Clip x1

4 Test Hooks x3

5 Packing Box x1

6 User Manual x1

7 Type-C Charging Cable x1

8 Adapter x1