

INTRODUCTION

The DSO-TC4 is an upgraded transistor oscilloscope from DSO-TC3, specifically designed for maintenance and R&D applications. It features a 10 MHz oscilloscope with 48 MSa/s sampling rate, supports 13 signal output functions up to 50 kHz, and it is equipped with highly sensitive and precise component testing slots for fast and accurate measurement of various electronic components. Additional functions include continuity testing, temperature and humidity measurement, as well as infrared decoding. With its porcelain casing and compact handheld design, the DSO-TC4 is an excellent practical and innovative tool, widely favored by electronics repair technicians and R&D professionals.

FEATURES

- 10MHz 48MSa/s digital oscilloscope
- 50kHz 13 types of function signals generator
- Transistor tester for capacitor, resistance, inductor, diode, triode etc
- Infrared decoding & continuity testing
- 8 Languages: Chinese, English, German, Portuguese, Japanese, Spanish, Korean, Russian



	DSO-TC4	DSO-TC3
Languages	Chinese, English, German, Portuguese, Japanese, Spanish, Korean, Russian	Chinese, English
Bandwidth	10MHz	500KHz
Sampling rate	48MSa/s	10MSa/s
Time base	50ns~20s	1μs~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~100mF
Resistor	0.1Ω~50MΩ	0.1Ω~50MΩ
Inductor	10μH~1000mH	10μH~1000mH
Display Parameters	2.8" TFT color screen	2.4" TFT color screen
USB Image Sharing	✓	✗

TECHNICAL SPECIFICATIONS

Oscilloscope			
Bandwidth	10MHz	Channels	1CH
Sampling rate	48MSa/s	Input impedance	1MΩ
Vertical sensitivity	10mV/div-10V/div	Trigger types	Auto/Normal/Single
Time base scale	50nS/div-20S/div	Afterglow Mode	500ms-∞
Picture storage	✓	Auto Calibration	✓
Auto Measurements	Cycle, Freq, Max, Min, RMS, Avg, Vpp, Amp, +Duty, -Duty, +Width, -Width		

Waveform Generator			
Max Frequency	50kHz	Channels	1CH
Resolution	1Hz	Duty of Square	0-100% adjustable
Amplitude	0.1-3V		
Waveforms	sine, square, sawtooth, half wave, full wave, positive step, negative step, DC signal, exponential rise, exponential fall, multitone, sinc pulse and lorentz wave 13 types		

Transistor Tester			
Capacitor	✓	Resistance	✓
Inductor	✓	Diode	✓
Triode	✓	Regulated diode	✓
MOSFET	✓	SCRs/TRIAC	✓

GENERAL CHARACTERISTICS

Product Color	Black & Grey	Product Net Weight	187g
Product Size	90x142x27.5mm	Standard Carton	54*43*33.5cm
Display	2.8-inch TFT color screen	Carton Gross Weight	22.2kg
Battery	3.7V/1500mAh Lithium battery, Standby time 4 hours	Quantity Per Carton	50PCS
Standard Accessories	Main device x1, P6100 probe x1, Ordinary probe x1, Test hook x3, Data cable x1, Manual x1		