

INTRODUCTION

The 2C53T is an upgraded 3 in 1 oscilloscope and multimeter. It has 2CH 50MHz bandwidth, 250MSa/s sampling rate oscilloscope, support XY, YT, scrolling modes, 8 math operations and FFT analysis; Built in 50kHz signal generator can output 13 types of functions signal; 20000 count multimeter can test 750V AC, 1000V DC and 10A current. It is quite practical and accurate enough for maintenance groups and college students in electronics field. Portable size, fashionable appearance as well as vivid display interface, make it a well popular device in the market.

FEATURES

- 2CH, 50MHz bandwidth, 250MSa/s sampling rate, 1kpts memory depth
- Supports XY/YT/Scrolling Mode, FFT analysis, 8 math operations and persistence display
- 50kHz signal generator
- 20000 count multimeter
- 2.8-inch TFT Real color screen
- 6 hours battery endurance
- Languages: Chinese, English



FNIRSI™ 3in1

HIGH PRECISION DIGITAL OSCILLOSCOPE

XY/YT Mode 3 Persistences 8 Math Operations

DUAL CHANNEL OSCILLOSCOPE

50MHz ANALOG BANDWIDTH

250MSa/s SAMPLING RATE

FUNCTION SIGNAL GENERATOR

Output 13 types waveform with frequency 1Hz-50kHz and amplitude 0.1-3V adjustable.

Signal Generator		Signal Generator	
Sine Wave		Index Up	
Square Wave		Index Decrease	
Sawtooth wave		Direct current	
Half-wave	Frequency: 01000 Hz	Multi-audio	Frequency: 01000 Hz
Full Wave	Duty Cycle: 05.00 %	Sink Pulse	Duty Cycle: 05.00 %
Step Wave	Amplitude: 3.0 V	Lorentz waves	Amplitude: 3.0 V

4½ DIGIT MULTIMETER

DC 1000V ; AC 750V Current 10A Capacitor 100mF

Resistor 20MΩ Diode Continuity Temperature

INTELLIGENT ANTI BURNING

This protection makes electricity measurement much safer and quite suitable for beginner.

DUAL CHANNEL OSCILLOSCOPE MULTIMETER


**50MHZ
BANDWIDTH**

**4½ DIGITS
20000 COUNT**

**13 TYPES
SIGNAL OUTPUT**

**INTELLIGENT
ANTI BURNING**


Dual channel oscilloscope multimeter



TECHNICAL SPECIFICATIONS

Oscilloscope

Bandwidth	50MHz	Channels	2CH
Sampling Rate	250MSa/s	Memory depth	1kpts
Vertical Sensitivity	10mV/div-10V/div	Input Impedance	1MΩ
Time Base Scale	10ns/div-20s/div	Trigger Types	Auto/Normal/Single
Auto Measurements	Max, Min, Avg, RMS, Amp, Pk-Pk, Freq, Cycle, Duty+, Duty-, Width+, Width-, 12types		

Waveform Generator

Max Frequency	50kHz	Channels	1CH
Modulations	0-3V		
Waveforms	sine, square, sawtooth, half wave, full wave, positive step, negative step, DC signal, exponential rise, exponential fall, multitone, sync pulse and lorentz wave 13 types		

Digit Multimeter

Reading Resolution	4½ bit	Display Count	20000 Count
DC Voltage (V)	1000V	AC Voltage (V)	750V
DC & AC Current (A)	10A	AC Current (A)	10A
Resistance (Ω)	19.999MΩ/1.9999MΩ/199.99KΩ/19.999KΩ ±(0.5%+3); 1.9999KΩ/199.99Ω ±(2.0%+3)		
Capacitance (F)	9.999nF/99.99nF/999.9nF/9.999μF/99.99μF/999.9μF ±(2.0%+5); 9.999mF/99.99mF ±(5.0%+20)		
Frequency (Hz)	9.999Hz/99.99Hz/999.9Hz/9.999kHz/99.99kHz/999.9kHz/9.999MHz Acc: ±(0.1%+2)		
Temperature	(-55~1300°C)/(-67~2372°F) Acc: ±(2.5%+5)		
Diode	✓	Continuity Test	✓
NCV	✓	Live	✓

GENERAL CHARACTERISTICS

Product Color	Blue & Black	Product Net Weight	300g
Product Size	167x89x35mm	Standard Carton	49*45*30cm
Display	2.8-inch TFT Real Color Screen (320*240)	Carton Gross Weight	18kg
Battery	3.7V, 3000mAh, Lithium battery, Standby time 6 hours	Quantity Per Carton	20PCS
Standard Accessories	Main device*1, P6100 Probe*1, Multimeter Probe*1, Crocodile Clip Probe*1, Data Cable*1, Manual*1		