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DT71 Mini Digital Tweezers - LCR/ ESR Meter, Multimeter, SMD Tester with Built-in Micro Signal Generator

SKU   110991444

3 Reviews

DT71 Mini Digital Tweezers is a tool for multi-function measurements with full differential input measurement. DT71 has a unique trinary structure, which can be separated into the controller, testing arms, and tweezer tips, flexible to be replaced and combined.

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Tags: digital tweezer
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Product Details

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PRODUCT DETAILS

Features

- Innovative trinary structure: separated into the controller, testing arms, and tweezer tips, which are flexible to be replaced and combined.
- 360° rotatable controller with OLED screen, with good viewing angles
- Smart gesture recognition with automatic identification of left/right-hand operation and adjusting the screen orientation accordingly
- Hidden touch button on top of the controller, which makes it easy to operate with only a light touch
- Test arms use magnetic elasticity to provide an easy clipping, ergonomic, and long-lasting structure
- Built-in dual lithium batteries in test arms, balancing both arms and providing a longer standby time
- Several kinds of gold-plated interchangeable tweezer tips, enabling higher measurement accuracy in various usages
- Automatically identify SMDs including resistor, capacitor, inductor, and diode, showing both main and secondary parameters
- A built-in signal generator can output a variety of waveform signals

Note!!!

Please use the USB cable from UBC-A to USB-C to charge the tweezers, and pay attention if you use a 9V voltage output adapter, it may cause damage to the device.

Description

DT71 Mini Digital Tweezers is a tool for multi-function measurements with full differential input

measurement. DT71 has a unique trinary structure, which can be separated into the controller, testing arms, and tweezer tips, which are flexible to be replaced and combined.

It is compact and pocket-size for easy carrying. You can use it in laboratories, workbenches, warehouses, and in the field.

It also has dual built-in rechargeable lithium batteries that can last 10 hours at a stretch with a single full charge that takes about 2 hours to charge.

DT71 Mini Digital Tweezers have an OLED screen on the 360° rotatable controller, providing visibility at all angles. Smart gesture recognition will automatically identify left/right-hand operation and adjust screen display.

It has various measurement types to fulfill all your needs.

The test arms of DT71 Mini Digital Tweezers use magnetic elasticity to provide an easy clipping, ergonomic, and long-lasting structure.

DT71 Mini Digital Tweezers features a pair of beautiful intensified gold-plated interchangeable tweezer tips, which enables higher measuring accuracy.

DT71 Mini Digital Tweezers have manual and automatic Identification modes. In auto mode, DT71 can automatically identify SMDs including resistor, capacitor, inductor, and diode, showing both main and secondary parameters, very useful in fast distinguishing different components. Meanwhile, a built-in miniature waveform signal generator can output a variety of waveform signals. DT71 provides a perfect solution for debugging and maintenance of complex electronic systems and the classification and detection of discrete chip components.

Different from other LCR testers, DT71 Mini Digital Tweezers have no physical buttons, instead, it has a hidden touch button on top of the controller, which makes it easy to operate with only a light touch.

DT71 Mini Digital Tweezers has intelligent functions such as Automatic identification, Automatic shutdown, and also the firmware can be upgraded.

Specifications

Product Specifications			
Operation time	10 hrs (in continuous operation)		
Charging time	2 hrs		
Display	96*16 OLED		
Size	Controller	47mm	
	Test Arms	106mm	
Weight	22g		
Operation	Hidden touch button		
Measurement Specfications			
	Range	Resolution	Accuracy
Resistance	0.1Ω~1KΩ	0.1Ω	0.5%+2
	1KΩ~2000KΩ	1KΩ	0.5%+2
Capacitance	0.1pF~1000pF	0.1pF	2%+3
	0.001uF~400uF	0.001uF	2%+3
Inductance	1uH~1000uH	1uH	5%+3
	1mH~50mH	1mH	5%+3
	1mV~100mV	1mV	2%+5

Product Specifications

Voltage	0.1V~40V	0.1V	1%+3
Frequency	10Hz~1KHz	10Hz	0.1%+3
	1KHz~20000KHz	1KHz	0.1%+3
Diode	silicon diodes, Schottky diodes, LEDs (+0.1~3V)	0.1V	1%
Max input voltage	-5V~+50V		
Source Impedance	1MΩ		

Functions

Automatic Identification	Yes	
Designated measurements	Yes	
Continuity and Diode testing	Yes	
Signal generator	SINE	Support: 10KHz, 5KHz, 2KHz, 1Khz, 500Hz, 200Hz
	NOISE	Support: 100KHz
	USER	Support: 10KHz, 5KHz, 2KHz, 1Khz, 500Hz, 200Hz
	PULSE	Support: 100KHz, 0KHz, 20Khz, 10KHz, 5KHz, 2KHz, 1Khz, 500Hz, 200Hz

Reviews from Community

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Dimensions

Part List

1 x DT71 Controller
1 x Test Arms
2 x Tweezer Tips
1 x Data Cable
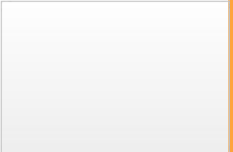1 x Carrying Case
1 x Safety Instructions

ECCN/HTS

HSCODE	9030820000
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LEARN AND DOCUMENTS

Documentations

[Attachment]   **User Manual**
[Attachment]   **DT71 charging and firmware update Youtube tutorial**

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[Others]   **DT71 smart tweezers review – 3-in-1 tweezers, multimeter, and signal generator**

This is a review on the DT71 smart tweezers by CNX SOFTWARE

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REVIEWS

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★★★☆☆
Great Idea - Slightly flawed implementation

A useful device with some issues....

By GloBoy
10/31/20

★★★★☆
Very handy tool with some flaws

Wide array of measurements and signal...

★ ★ ★ ★ ★

Coolest test equipment in my toolbox

This VLCR meter with signal...

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