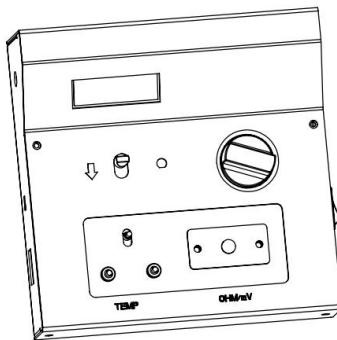




# QUICK 192 Soldering Tester

## Instruction Manual



**Thank you for purchasing our products. Please keep the instruction manual properly for future reference.**



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# 1.Safety Instructions



## CAUTION

- During the installation and use of this product, all electrical safety regulations of the country and regions must be strictly observed.
- If the product does not work properly, please contact the supplier or our company, and do not disassemble or change the product in any way. We are not responsible for any problems caused by unauthorized maintenance or modification.



## WARNING

- Don't install the product in a place where the surface is easy to shake or be impacted, as it may damage the product.
- Don't install the product in places where it may be exposed to rain or moisture.
- Don't use in flammable and explosive environments.
- The grounding column on the testing plate is convenient for the user to connect with an alligator clip, and its inside is connected to the analog ground. Please do not loosen it to avoid poor grounding.
- The temperature sensor is very thin, whose diameter is only 0.2 mm, please be careful that too much force can cause it to break.
- The test point of the temperature sensor is specially treated, but frequent measurements will cause wear. Once worn, please replaced it immediately to ensure the accuracy of the measurement.
- The AC power supply with grounding wire must be used in the process of measuring voltage and resistance.
- Please unplug the power cord when the product is not used for a long time.

## **2.Overview**

This professional comprehensive soldering tester is generally used for quality control in the production process of enterprises. It mainly measures the temperature, leakage voltage and grounding resistance of the soldering tip.

## **3.Product Characteristics**

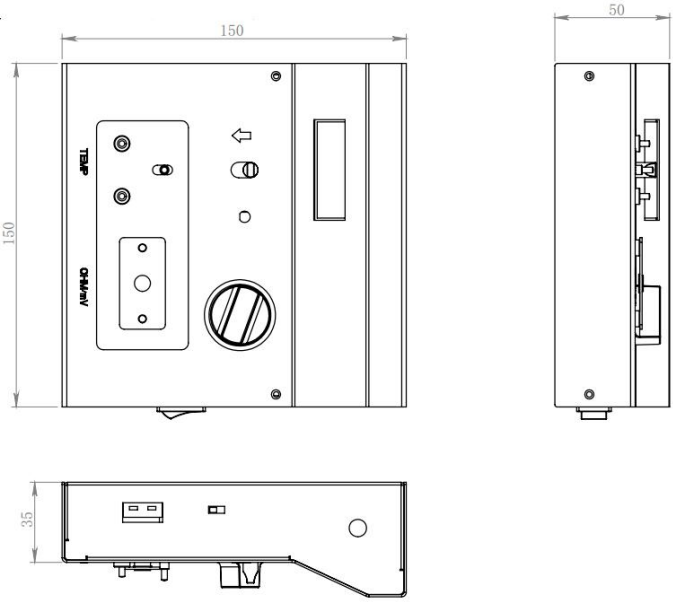
- Accurately measure soldering tip temperature, grounding potential and grounding resistance.
- 2-in-1 design, with the external sensor it can be used to measure the temperature of liquid or hot air, such as solder pot and hot air rework station.
- Highly reliable microcomputer measurement with high precision.
- Meets MIL-STD-2000 standard.

## 4.Product Specifications

Model	192	
Display	LCD	
Rated power	2W	
Voltage measurement	Meets MIL-STD-2000	
Temperature sensor	K-type Thermocouple	
Measuring range	Temperature	0~600°C/32~1200°F
	Voltage	0-90mV(AC)
	Resistance	0-90Ω
Resolution	Temperature	1°C/1°F
	Voltage	0.1mV
	Resistance	0.1Ω
Precision	Temperature	±3°C(±6°F)
	Voltage	±(3%+2 Characters)
	Resistance	±(1%+2 Characters)
Ambient temperature	0~40°C,0~80%RH	
Dimensions	150*150*50mm	
Weight	About 1.0kg	

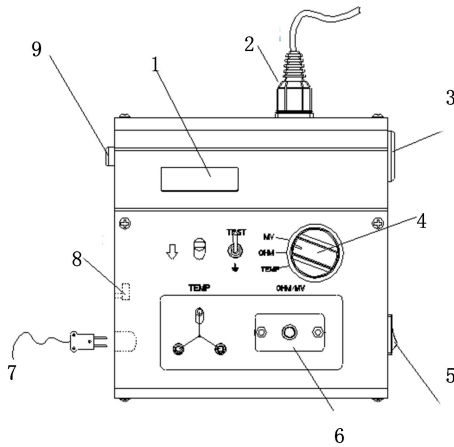
# 5.Functional Descriptions

## 5. 1. Dimensions



Unit: mm

## 5. 2. Part Descriptions

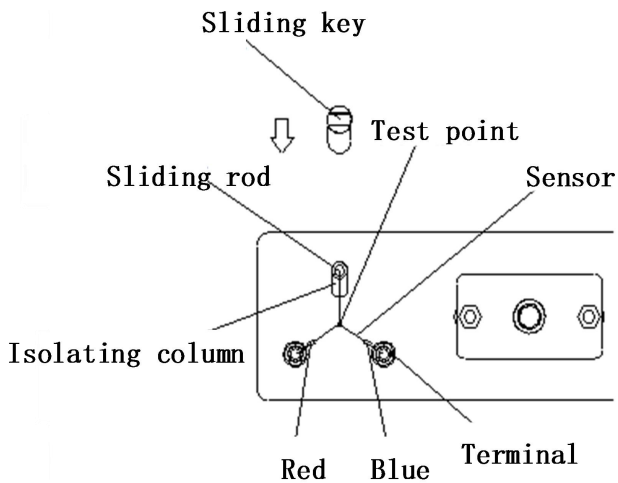


NO.	Part Descriptions
1	Display Screen
2	Power Cord
3	Power Output Socket (Connected to soldering station)
4	Switch Knob
5	Power Switch
6	Grounding Plate
7	External K-type Sensor Socket
8	°C/°F Changeover Switch
9	Grounding Socket

## 6.Operation Method

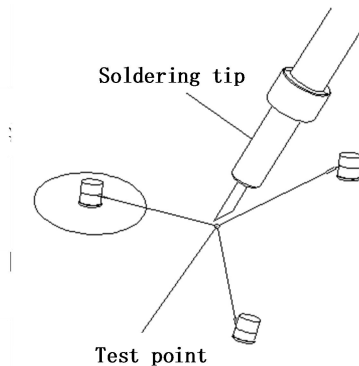
### 6. 1. Preparation

- 1) Press the sliding key in the direction indicated by the arrow, install the sensor (the red terminal is connected to the terminal marked with a red dot, and the blue terminal is connected to the terminal marked with a blue dot).
- 2) Plug in the power plug and turn on the power switch.



## 6. 2. Measure Temperature of Soldering Tip

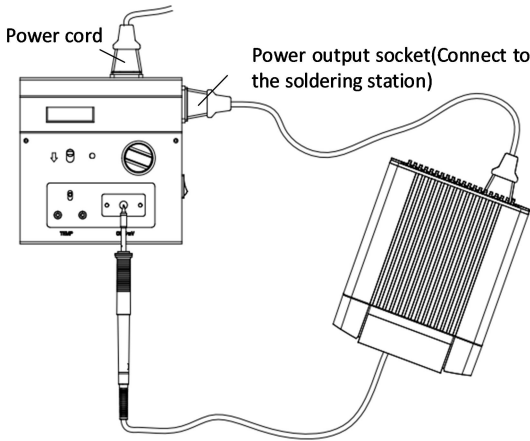
- 1) Turn the °C/°F changeover switch to the appropriate position.
- 2) Turn the switch knob to the "TEMP" position.
- 3) Clean the soldering tip and apply some new solder.
- 4) Place the tip on the test point of the temperature sensor. If you need to use an external K-type sensor to test the temperature, please insert the K-type sensor into the external K-type sensor socket on the left side of the soldering tester (the sensor on the terminal of the temperature measurement area must be removed).
- 5) Read the value when it is stable.



## 6. 3. Measure Voltage between Soldering Tip and Ground

- 1) Connect the soldering tester to the soldering station as shown in the picture.
- 2) If the soldering station is temperature-controlled, set it to the use temperature and wait for it to reach a stable temperature.
- 3) Turn the switch knob to the "mV" position, then turn the test switch "TEST" to the zero calibration terminal and release it after zero calibrated.

- 4) Clean the soldering tip and apply some new solder.
- 5) There is a very small solder ball in the center of testing plate, use the soldering tip to heat the solder ball until it melts completely.
- 6) When the display value is stable, read the data V (V refers to the voltage difference between the soldering tip and the ground).



## 6. 4. Measure Resistance between Soldering Tip and Ground

Turn the switch knob to the "OHM" position, measure R (R refers to the resistance between the tip and ground) in the same way as for measuring the voltage between soldering tip and ground in 6.3.

## 6. 5. Maintenance

- 1) Replace the triangle sensor regularly. It is recommended to replace the sensor with a new one after 50 measurements to ensure the accuracy of the measuring results.
- 2) When measuring voltage or resistance, if the testing value exceeds the specified value, please check whether the holding screw of the soldering tip is loose, and retest after tightening

## 7.Troubleshooting

Error display	Error description
1	<p>It displays when measuring the soldering tip temperature, indicating that the sensor is not connected properly.</p> <p>It displays when measuring voltage or resistance, indicating that the tip is not in contact with the test plate or the grounding wire inside the soldering station is open circuit.</p>
-1	<p>It may be because the red and blue terminals of the temperature sensor are reversed or the measured temperature is below 0°C.</p>



## Warranty Card

●The warranty period of this product is calculated from the date of Purchase. During the warranty period, if the product breaks down during normal use, show the original warranty card and enjoy free service in the authorized repair company(or our company). Please keep the purchase certificate and this warranty card and show it before maintenance.

●During the warranty period, the following repairs need to be paid:  
a.Unable to offer valid warranty card or certificate;  
b.The purchase date, sales company and other items are not completely filled or the warranty card is altered;  
c.Damage caused by failure to follow the use methods and precautions in the manual;  
d.Damage caused by disassembly, repair and modification of products without authorization of the manufacturer;  
e.Replacement of vulnerable and consumable parts.

●All items of the warranty card shall be completely filled in by the agent or user to obtain a 12-month warranty period.  
●Please keep this warranty card properly It will not be re-offered after.

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FAX: 86-519-86558599  
POSTCODE: 213167  
WEBSITE: www.quick-global.com

## Warranty Card

Type: \_\_\_\_\_

Model No.: \_\_\_\_\_

Serial No.: \_\_\_\_\_

Delivery Date: \_\_\_\_\_

## Warranty File Card

Type: \_\_\_\_\_

Model No.: \_\_\_\_\_

Serial No.: \_\_\_\_\_

Delivery Date: \_\_\_\_\_

Address : \_\_\_\_\_

Postcode: \_\_\_\_\_

Telephone: \_\_\_\_\_

Contact Person: \_\_\_\_\_

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