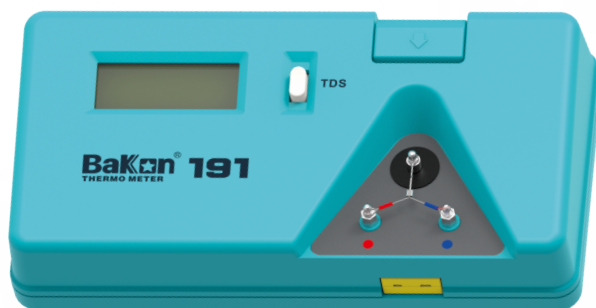




# BK191

## Thermometer

### Instruction Manual



#### **WARNING:**

- Please follow the instruction to avoid accidents.
- Misuse may potentially cause injury to the user or physical damage to the objects involved.
- For you own safety, be sure to comply with these precautions .



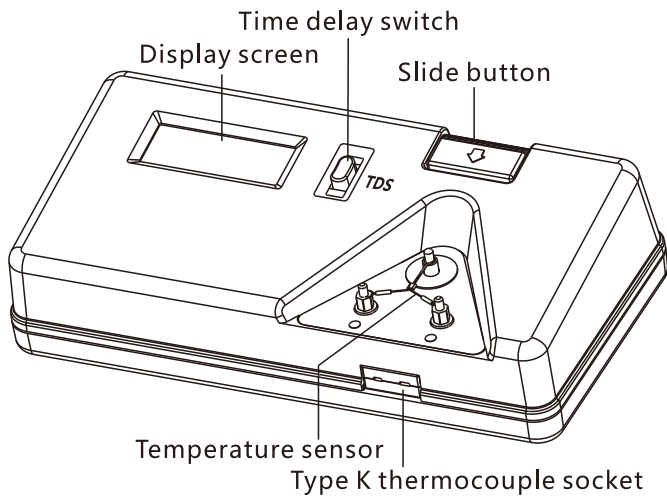
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## Attention point

- Temperature sensor is made of very thin silk thread,so do not break it off when using.If damaged, please replace it in time.
- The shell of the thermometer is made of plastic,so do not touch the surface to avoid scald when testing temperature of solder iron.
- Temperature sensing line and external K-type thermocouple line temperature measuring point will have loss in the detection process, use time is too long, measurement will be inaccurate, recommended using: 50 times.
- Properly clean the guide poles installed with temperature sensor to avoid bad contact. It is recommended to use alcohol to wipe the dirt such as flux, and do not use diluents, volatile oil and other corrosive potions to clean.
- When the battery is low, B is displayed in the lower left corner of the screen. Replace the battery in time to avoid inaccurate temperature measurement.

## Product schematic



## Package list

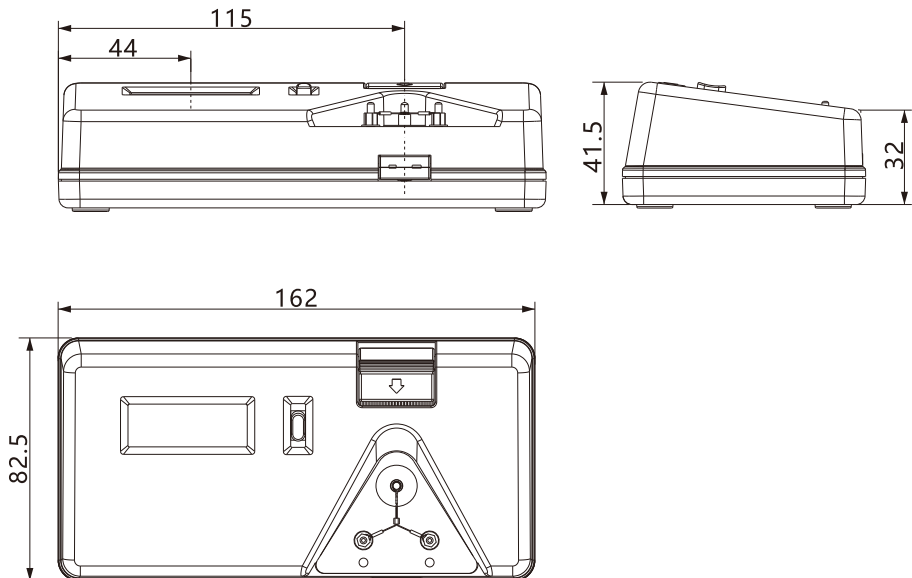
|                                                      |       |
|------------------------------------------------------|-------|
| Host                                                 | 1PCS  |
| Temperature sensor                                   | 10PCS |
| Manual                                               | 1PCS  |
| Optional accessories as below( purchased separately) |       |
| Type K thermocouple socket                           | 1PCS  |

## Product specifications

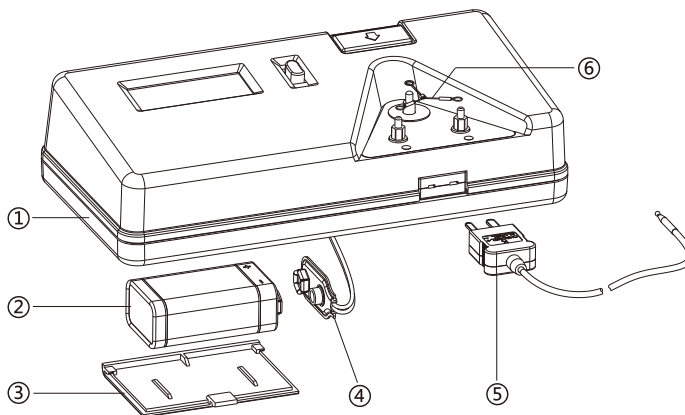
|                      |                                                              |
|----------------------|--------------------------------------------------------------|
| Resolving rate       | 1°C                                                          |
| Temperature range    | 0~700°C                                                      |
| Sensor               | Temperature sensor、Type K thermocouple                       |
| Accuracy             | ±3°C (100~600°C)                                             |
| Display              | LCD display temperature<br>Dry battery weak warning <b>B</b> |
| Battery              | 9V dry battery                                               |
| Dry battery lifespan | More than 150 hours                                          |
| Dimension            | L162xW82.5xH41.5mm                                           |
| Net/Gross weight     | ≈0.2kg/≈0.4kg                                                |
| Using environment    | Temperature:-10°C ~ 45°C; Humidity:45~80%RH                  |

## Product dimension diagram

Unit: mm



## Exploded diagram of product

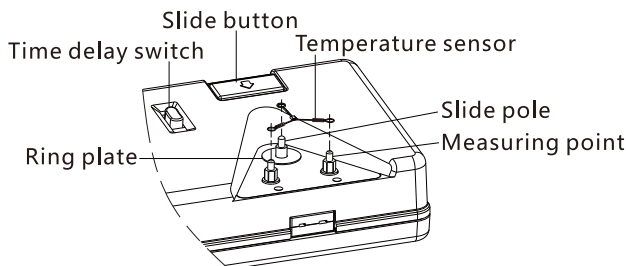


| Number | Bill of Material    | Quantity       |
|--------|---------------------|----------------|
| ①      | Host                | 1PCS           |
| ②      | Battery(9V/6F22)    | 1PCS           |
| ③      | Battery cover       | 1PCS           |
| ④      | 9V battery buckle   | 1PCS           |
| ⑤      | Type K thermocouple | 1PCS(Optional) |
| ⑥      | Temperature sensor  | 1PCS           |

- Type K thermocouple for external probe, thermocouple wire, immersion liquid probe, mesh solid surface probe and other types.

## Operation instruction

1. Open the battery cover on the back of the host, install the 9V battery with the battery buckle, then place the battery in the battery slot, and close the cover.
2. Press the temperature sensor: insert the ring plate into the slide pole, and then insert the 2 rings of the temperature sensor with the red/blue casing respectively on the measuring point marked red/blue, press the push button at last, cover the last ring of the temperature sensor on the slide pole, loosen the slide button, and the temperature sensor can be strained.



3. Dip the iron tip with flux and tin wire, and then touch the metal test point (tri-junction of temperature sensor) at an Angle of 45 degrees. Place it stably for 2-3s, and read the temperature value after the displayed temperature value becomes stable.
4. Press the delay switch button once for 5 minutes, then enter sleep, press the wake screen again, circulation press to use.

**Note:**the temperature sensor is used to measure the temperature of the iron tip. If k-type thermocouple is used, please remove the temperature sensor first. The two cannot be the same When use.



1. Temperature sensor of soldering iron



2. Type K thermocouple wire



3. Immersion liquid probe



4. Mesh solid surface probe



Temperature sensor



Immersion probe



K type probe/ immersion probe



Net type surface probe

## Repair Warranty (Principle)

Model: \_\_\_\_\_ Date of Production: \_\_\_\_\_

Customer: \_\_\_\_\_ Date of Purchase: \_\_\_\_\_

Product No: \_\_\_\_\_ Issued by: \_\_\_\_\_

From the date of purchasing, we provide    months repair warranty

## After Sale Suggestion (Subordinate)

Customer: \_\_\_\_\_

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

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

\_\_\_\_\_

Distributor: \_\_\_\_\_

Invoice NO: \_\_\_\_\_ Invoice Date: \_\_\_\_\_

Product Model: \_\_\_\_\_ Product NO: \_\_\_\_\_

### Warranty Terms:

1. The table for feedback from customers should be returned to our company within a month after the date of purchase. In this way, customers may enjoy one-month repair warranty.
2. Repair Warranty and Purchase Certificate should be presented. The warranty only applies when all the required documents are available.
3. The warranty does not apply when the equipment has received damage through abuse, carelessness, improper installation, accident or mishandling during shipment, connecting to improper line voltage, or has been serviced by anyone other than an authorized factory representative.
4. After the warranty period, we are ready to provide charged repair service, perfect as always.



Dear Sir / Madam :

Thank you for purchasing our products.To improve our service and ensure the proper use of our products,please kindly write down your suggestions.

Name of Product: \_\_\_\_\_

Date of Purchase: \_\_\_\_\_

Your Suggestions: \_\_\_\_\_

Package: \_\_\_\_\_

Functions: \_\_\_\_\_

Others: \_\_\_\_\_

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

**Bakon<sup>®</sup>**

GUARANTEE CARD

The product conforms to the technical standards

Q C .



SHENZHEN BAKON ELECTRONIC TECHNOLOGY CO.,LTD.

## Warranty card

The warranty is valid in one year since the purchase of this ,any quality problem found,please send back to us with courier fee to be collected,upon receipt of the returning unit,we will repair it and send back to customer within two working days.

Notice:Please enclose the warranty card along with the returning product, or else we have the right to reject the repairing,thanks for your corporation.







**SHENZHEN BAKON ELECTRONIC TECHNOLOGY CO.,LTD.**

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