3. SAFETY NOTICE

⚠ CAUTION

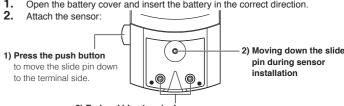
When using the thermometer to measure the temperature of the soldering iron tip or desoldering nozzle, pay great attention to the temperature of the tip or nozzle that will be as high as 200 to 450°C (392 to 842°F). Careless handling of such a hot object may result in a burn or fire.

4. OPERATION

⚠ CAUTION

Handle the sensor with care. Inadvertent handling may break the K (CA) type thermocouple as it is as thin as 0.2 mm in diameter

1. Open the battery cover and insert the battery in the correct direction.



3) Red and blue terminals

Match a colours and attach a sensor to the terminal.

3. Turn on the power. When the room temperature appears on the LCD, the thermometer is ready for measurement.

- NOTE -

- Pressing the power button for a short duration may result in failure to turn on the power. In such a case, press the button again for a longer duration. The power cannot be turned off until all screen elements are displayed after the
- 4. Wet the soldering iron tip with solder and put the tip to the measuring point.

⚠ CAUTION

- Do not bring the hot iron tip into contact with the plastic body, slide pin and terminals of the thermometer. Doing so will damage them.
- The measuring point of the sensor generally undergoes degradation as a result of repeated measurement activities. It is recommend that the sensor be replaced every 50 measurements as a guideline to ensure measurement accuracy.
- If the terminals are contaminated with the soldering flux, wipe them clean with alcohol. Do not use thinner or benzin for cleaning.

5. FUNCTION AND OPERATION OF EACH BUTTON

If no measurement is taken within three minutes after power on, the power will be turned off automatically. Measurement of a temperature higher than 100°C (212°F)

within three minutes will reset the auto shutoff. To turn on the power, press the power

Please read when the temperature stabilizes.

HAKKO FG-100B Dry battery (For trial) Sensor Instruction manual

THERMOMETER

FG-100B

Instruction Manual

Thank you for purchasing the HAKKO FG-100B thermometer.

Please read this manual before operating the HAKKO FG-100B.

Please keep this manual readily accessible for reference

Please check to make sure that all items listed below are included in the package.

.... 1 Sensors (qty 10) ...

Infrared output part

(See the figure below for

(Do not block)

display contents)

AUTO/SEND button

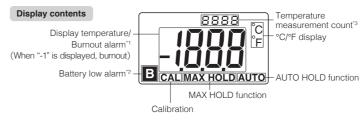
MAX HOLD button

Slide pin

Blind plate

...... 1 Instruction manual.

1. PACKING LIST AND PART NAMES



- *1 This alarm indicates a sensor burnout. If this alarm occurs, replace the sensor,
- *2 When **B** appears, be sure to replace the battery. Failure to do so will result in incorrect
- *3 When pressing the and button for longer, the count is reset.

2. SPECIFICATIONS

HAKKO

HAKKO FG-100B..

006P 9V Dry battery (For trial)

Power ON/OFF button

Push button

⚠ CAUTION

— FG-100B □

⚠ CAUTION

Do not directly expose the HAKKO FG-100B body to hot air when taking

measurements. Direct exposure to hot air can damage the HAKKO

※各言語(日本語、英語、中国語、フランス語、ドイツ語、韓国語)の取扱説明書は以下の URL、HAKKO Document Portal

各國語言(日語、英語、中文、法語、德語、韓語)的使用説明書可以通過以下网站的 HAKKO Document Portal 下載參閱。

https://doc.hakko.com

truction manual in the language of Japanese, English, Chinese, French, German, and Korean can be downloaded from the

- AUTO/SEND button

Power ON/OFF button

FG-100B body.

When the power turned on by pushing the power ON/OFF button while

pressing the AUTO/SEND button, the display of °C and °F is replaced.

Туре	Celsius type	Fahrenheit type
Model name	HAKKO FG-100B	
Resolution	1°C	1°F
Temperature measurement range	0 - 700°C*1	32 - 1,300°F*1
Applicable sensor	K (CA) type thermocouple	
Measurement tolerance	±3°C (between 300 and 600°C)	±6°F (between 572 and 1,112°F)
Power supply	±5°C (Other than above) ±10°F (Other than above) 006P 9 V dry battery (alkaline cell recommended)	
Outline dimensions	75 (W) × 44 (H) × 140 (D) mm	
Weight	125 g (excluding battery)	
Operating environment	Ambient Temperature/Humidity Range: 0 to 40°C (32 to 104°F), max.80% RH (without condensation)	
Environmental conditions	Applicable rated pollution degree 2 (according to IEC/UL61010-1)	

*1 Sensor (191-212) can only be used to measure temperatures below 500°C (932°F) To measure higher temperatures, use an applicable temperature probe (see "6. REPLACEMENT PARTS AND OPTIONS").

The specifications may be subject to change without notice.

҈HAK《O

HAKKO CORPORATION HEAD OFFICE

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6. REPLACEMENT PARTS AND OPTIONS

Sensor / Lead-free

Part Name

Part Name

Remove the sensor, and connect the red connector of this option to the red terminal of

Temperature probe/soldering pot

Temperature probe/hot air

Temperature probe/robot

the thermometer and the blue connector to the blue terminal

Sensor A

Sensor B

Specifications

Specifications

with sensor A/B

qty 10.

Replacement Parts

Item No

Item No

191-212

Options

A1310

C1541

CX1002

A1556

A1557

OVERSEAS AFFILIATES

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L: 6748-2277 FAX: 6744-0033 os://www.hakko.com.sg E-mail: sales@hakko.com.sg

Please access the web address below for other distributors

https://www.hakko.com

2020.7 MA03197XZ200728

Press less than 1 second. 300 300 Press the Press the button for les button for than 1 second second more 250 270

"MAX HOLD" disappears indicating the function is cancelled

returns to normal display. AUTO HOLD function

Auto shutoff function

MAX HOLD function

the lower of the screen

When quickly pressing the Button (less

As long as "MAX HOLD" appears, the

The (B) button has the following other

pressing the button (less than 1

maximum temperature will stay displayed

• When "MAX HOLD" is displayed, quickly

second) displays the updated maximum

When "MAX HOLD" is displayed, pressing

the button for longer (1 second or longer)

releases the MAX HOLD function and

than 1 second), "MAX HOLD" is displayed at

button again

functions

temperature.

When quickly pressing the button, "AUTO" blinks at the lower right of the LCD. While "AUTO" blinks, touch the soldering iron tip to the sensor. After detecting the stabilization of the temperature of the tip, the average temperature will be calculated. After the average value has been calculated, "AUTO" will stop blinking and stay lit. and the calculation result will be displayed.

Each time the button is pressed, the AUTO HOLD function toggles between ON

The AUTO HOLD function does not assume the measurement by temperature probes such as the hot air.

Temperature sending function

Press the button for longer than one second. Temperature data will be sent by infrared output from the upper part of the thermometer. Temperature display blinks during sending

The temperature sending function can only send messages to the receiving machine. When the fixed value can be sent.

からダウンロードしてご覧いただけます。

(有一部分的產品沒有設定外語對應、請見諒)

(商品によっては設定の無い言語がありますが、ご了承ください。)

(Please note that some languages may not be available depending on the product.)