

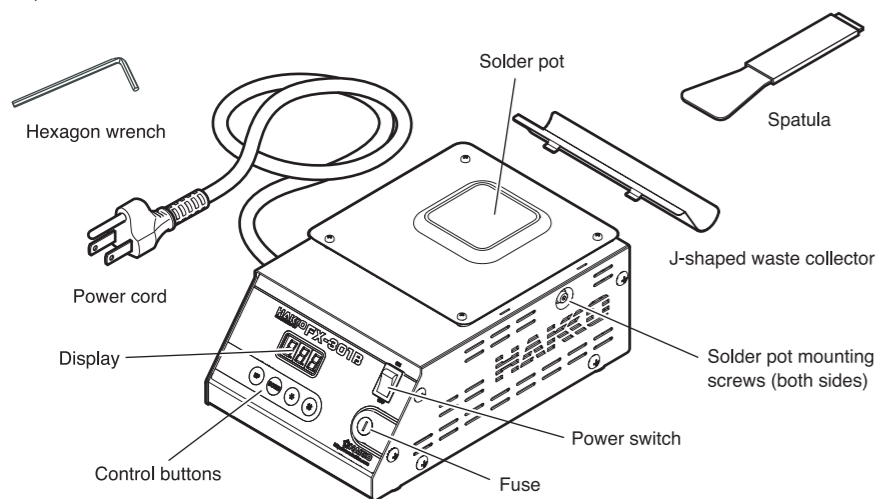
Instruction Manual

Thank you for purchasing the HAKKO FX-301B soldering pot.
Please read this manual before operating the HAKKO FX-301B.
Keep this manual readily accessible for reference.

1. PACKING LIST AND PART NAMES

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

HakkoFX-301B	1	Hexagon wrench	1
Spatula	1	Instruction manual	1
J-shaped waste collector	1		



2. SPECIFICATIONS

	50 × 50 Square	75 × 75 Square
Power consumption	100V - 200W, 110V - 260W, 120V - 290W, 220V - 240W, 230V - 260W, 240V - 280W	
Temperature range	200 - 450°C (400 ~ 840°F)	200 - 380°C (400 ~ 720°F)
Solder pot dimensions	50 (W) × 50 (D) × 43.5 (H) mm (2.0 × 2.0 × 1.7 in.)	75 (W) × 75 (D) × 52.5 (H) mm (3.0 × 3.0 × 2.1 in.)
Molten solder capacity	0.85 kg (1.87 lb.)	1.2 kg (2.64 lb.)
Weight (w/o solder and cord)	1.7 kg (3.74 lb.)	
Outer dimensions	143 (W) × 100 (H) × 220 (D) mm (5.6 × 4.0 × 6.7 in.)	

* Only a 50 × 50 square solder pot is included in this product.
* The 75 × 75 square solder pot is an optional part.
* Specifications and design are subject to change without notice.

※ 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からダウンロードしてご覧いただけます。
（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）
* 各國語言(日語,英語,中文,法語,德語,韓語)的使用說明書可以通過以下網站的HAKKO Document Portal 下載參閱。
（有一部分的產品沒有設定外語對應,請見諒）
* Instruction manual for the language, Japanese, English, Chinese, French, German and Korean can be downloaded from the following URL, HAKKO Document Portal.
(Please note that some language may not be available depending on the product.)

<https://doc.hakko.com>

中國RoHS: 產品中有毒有害物質或元素的名稱及含量

部件名稱	有毒有害物質或元素					
	鉛(Pb)	汞(Hg)	鎘(Cd)	六價鉻 (Cr(VI))	多溴聯苯 (PBB)	多溴二苯醚 (PBDE)
印刷電路板	×	○	○	○	○	○
插頭	×	○	○	○	○	○

○ : 表示該有毒有害物質在該部件所有均質材料中的含量均在SJ/T 11363-2006標準規定的限量要求以下。
× : 表示該有毒有害物質至少在該部件的某一均質材料中的含量超出SJ/T 11363-2006標準規定的限量要求。

注有「附帶插頭」之時,表示「插頭」為含有有害物質的部件。

3. SAFETY INSTRUCTIONS

⚠ WARNING

Warnings, cautions and notes are placed at critical points in this manual to direct the operator's attention to significant items. They are defined as follows:

⚠ **WARNING:** Failure to comply with a WARNING may result in serious injury or death.

⚠ **CAUTION:** Failure to comply with a CAUTION may result in injury to the operator, or damage to the items involved. Two examples are given below.

⚠ WARNING

When the power is ON, the temperature of the melted solder in the solder pot is approximately 450°C/842°F. Before changing the solder pot, be sure to unplug the power cord and let the solder and the unit cool to room temperature.

Observe the following precautions to ensure safety.

⚠ CAUTION

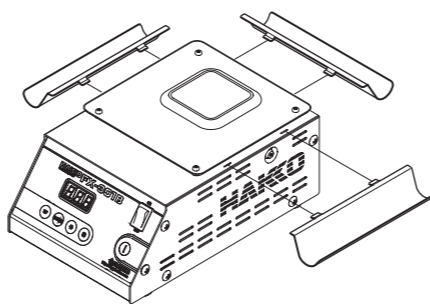
The molten solder in the solder pot is dangerous since it reaches about 450°C/842°F. The pot cover also becomes a high temperature when the power is ON. Wrong handling may cause burns or fire. Be sure to observe the following precautions.

- Use this product on highly stable metal workbench. Never use it near paper or other flammable materials.
- Inform others in the area that the product is hot and should not be touched.
- Never put water in the solder pot as this will cause solder to spatter out of the solder pot.
- Turn the power off when not in use, or left unattended.
- Before changing parts or storing the unit, be sure to turn the power off and allow the unit to cool to room temperature.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

Observe the following precautions to prevent accidents or damage to the unit.

- Do not use the HAKKO FX-301B for applications other than soldering.
- Do not modify the HAKKO FX-301B.
- Use only genuine HAKKO replacement parts.
- Do not allow the HAKKO FX-301B to become wet, or use it with wet hands.
- Be sure the work area is well ventilated. Soldering produces smoke.
- Do not do anything else that might be dangerous.

4. INTIAL SETUP



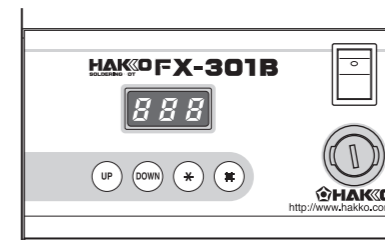
1. Install the J-shaped waste collector to the unit. (Three-way installation is possible to meet your operating needs.)
2. Cut the solder sticks into small pieces and put them in the solder pot.
3. Plug the power cord into a grounded wall socket.

⚠ CAUTION

Make sure the power switch is off before plugging in the power plug.

5. OPERATION

Display and operation



● Display

The front panel of the HAKKO FX-301B soldering pot has the following controls:

- UP** - Increases the value in the appropriate display window.
- DOWN** - decreases the value in the appropriate display window.
- *** - Holding down the button for one second or more will enter into the temperature setting mode. If the button is otherwise pressed for only less than one second, the current set temperature will remain displayed. In the input mode, establish the entered value and exist the data input mode.
- #** - Holding down the button for one second or more will enter into the offset input mode. If the button is otherwise pressed for only less than one second, the current offset value will remain displayed.

Operation

1. Turn the power switch ON.
2. The temperature set at factory is displayed.
*The temperature was set to 350°C at factory.
3. The temperature control is started, causing the temperature to increase.

NOTE:

The display blinks when the power is turned ON or when settings are changed. This blinking occurs because the temperature control is in progress. The current temperature will be displayed in a short time.

6. PARAMETER SETTINGS

Before changing the setting temperature

The HAKKO FX-301B comes from the factory with the following values preset:

°C or °F temperature display selection	1 C	°C
Setting a solder type	2 1	Sn-Pb (Tin an lead)
Setting the solder pot type	3 1	50 × 50 square
Setting the timer	4 0	OFF or disabled

● Entering the parameters

1. °C or °F temperature display selection

The HAKKO FX-301B has the following four parameters:

- 1) °C or °F temperature display selection
- 2) Setting a solder type
- 3) Setting the solder pot type
- 4) Setting the timer

Once you enter the parameter setting mode, the setting sequence will start in the following order. After all the parameters have been set, the displayed temperature setting starts blinking and the temperature of the solder pot starts rising.

1. Turn the power switch OFF.
2. Press and hold down the **UP** and **DOWN** buttons simultaneously, and then turn the power switch ON.
3. When you enter the parameter setting mode, **[1]** is displayed.
4. Press the **UP** or **DOWN** button to select **[1]** for °C or **[2]** for °F.
After checking the displayed selection, press the ***** button.
After establishing the temperature unit to use, enter the solder type selection mode.

Press the **UP** or **DOWN** button to select the number corresponding to your solder type as follows:

- [2 1]** Sn-Pb (Tin an lead)
- [2 2]** Sn-Ag-Cu (Tin, silver, and copper)
- [2 3]** Sn-Cu (Tin and copper)
- [2 4]** Sn (Tin)

After checking the displayed selection, press the ***** button.

NOTE:

The solder types are listed for only rough classification. Select the closest one to your solder type.

