

Compatible with T31 Series

## Replacement tips

Part numbers

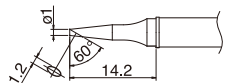
T31-XX BC1

450°C ▶ 01 Indicates tip shape and size  
400°C ▶ 02  
350°C ▶ 03

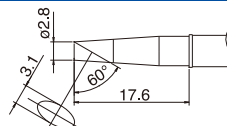
Unlike conventional temperature setting systems, every tip in the lineup is fixed at either 350°C, 400°C or 450°C.

This makes managing the set temperature of the soldering iron easier than ever.

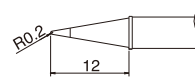
T31-01BC1 / T31-02BC1 / T31-03BC1 Shape 1BC



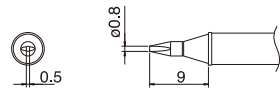
T31-01BC28 / T31-02BC28 / T31-03BC28 Shape 2.8BC



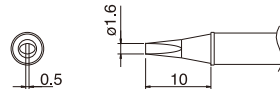
T31-01BL / T31-02BL / T31-03BL Shape BL



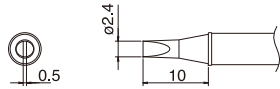
T31-01D08 / T31-02D08 / T31-03D08 Shape 0.8D



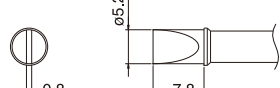
T31-01D16 / T31-02D16 / T31-03D16 Shape 1.6D



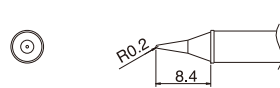
T31-01D24 / T31-02D24 / T31-03D24 Shape 2.4D



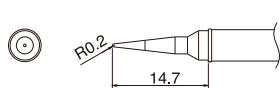
T31-01D52 / T31-02D52 / T31-03D52 Shape 5.2D



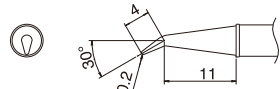
T31-01I / T31-02I / T31-03I Shape I



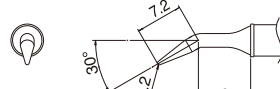
T31-01IL / T31-02IL / T31-03IL Shape IL



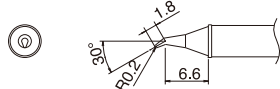
T31-01J02 / T31-02J02 / T31-03J02 Shape 0.2RSSB



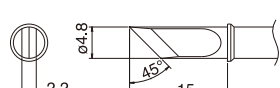
T31-01JL02 / T31-02JL02 / T31-03JL02 Shape 0.2RLB



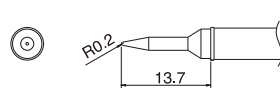
T31-01JS02 / T31-02JS02 / T31-03JS02 Shape 0.2RSSB



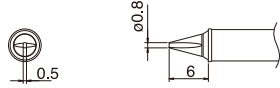
T31-01KU / T31-02KU / T31-03KU Shape KU



T31-01SBL / T31-02SBL / T31-03SBL Shape SBL



T31-01WD08 / T31-02WD08 / T31-03WD08 Shape 0.8WD



## FX-100

Packing List



Station, Handpiece (FX-1001), Heat resistant pad, Power cord, Sleeve (green), Sleeve (gray), Iron holder, Instruction manual

Specifications

Power consumption	28 W (85 W)
Tip temperature	T31-01 Series: 450°C (840°F) T31-02 Series: 400°C (750°F) T31-03 Series: 350°C (660°F)
Temperature stability	±1.1°C (±2.0°F)
Station	
Output power	50 W
Output frequency	13.56 MHz
Dimensions	127(W)× 150(H)× 167(D)mm (5.0 x 5.9 x 6.6 in.)
Weight	3 kg (6.6 lb.)
Soldering Iron	
Heating element	IH (Induction heating)
Cord length	1.3 m (4.3 ft.)
Total length (w/o cord)	190 mm (7.5 in.) with T31-02D24 or T31-03D24 tip 193 mm (7.6 in.) with T31-01D24 tip
Weight (w/o cord)	31 g (0.07 lb.) with T31-02D24 tip

\*Without cord



Soldering Iron

Station Type  
IH Soldering Iron

HAKKO FX-100 ESD SAFE  
SOLDERING STATION

# Raising the world standard in induction heating soldering irons



**HAKKO**  
HAKKO CORPORATION  
OVERSEAS AFFILIATES

U.S.A.  
AMERICAN HAKKO PRODUCTS, INC.  
28920 AVENUE WILLIAMS VALENCIA, CA 91355, U.S.A.  
TEL: (661) 294-0090 FAX: (661) 294-0096  
Toll Free (800)88-HAKKO  
http://www.hakkousa.com

Please access to the following for the other sales affiliates and distributors.  
<http://www.hakko.com>

Specifications and design are subject to change without notice. Copyright HAKKO Corporation. All right reserved.  
HAKKO is registered in countries and regions including the following. Japan, USA, South Korea, Singapore, China, the member of CTM.

HEAD OFFICE

4-5, SHIOKUSA 2-CHOME, NANIWA-KU, OSAKA, 556-0024 JAPAN  
TEL:+81-6-6561-3225 FAX:+81-6-6561-8466  
<http://www.hakko.com> E-mail:sales@hakko.com

HONG KONG  
HAKKO DEVELOPMENT CO., LTD.  
ROOM 1504, EASTERN HARBOUR CENTRE,  
28 HOI CHAK STREET, QUARRY BAY, HONG KONG.  
TEL: 2811-5588 FAX: 2590-0217  
<http://www.hakko.com.hk>  
E-mail:info@hakko.com.hk



**SYNERGY  
ELECTRONICS LTD**

sales@synergielectronics.co.nz  
[www.synergielectronics.co.nz](http://www.synergielectronics.co.nz)  
Ph 0800 347 045

CA00441GbYa003 2015.4



# A next-generation IH soldering iron

Featuring a small tip that packs enough heat power to change the face of high heat capacity, high-density micro-soldering

Unlike resistance-based heating systems that control temperature by turning heater power on and off via a sensor, the tip itself produces heat and maintains a constant temperature in induction heating system. This system comes into its own when using a small tip to solder spots requiring a lot of power.

## Sleep/auto shutoff function

Safe design ensures soldering iron switches to sleep mode or auto shutoff mode when placed in iron holder.



**Design emphasizes both functionality and workability**

2013 Good Design Award winner.

The FX-100 enables smooth soldering of difficult areas thanks to a thin, light cord and responsive grip.

# Large LCD displays information for easy operation and management

## ● ● ● Simple three-button operation

The station's three buttons can be used to switch between modes. The function of each button is displayed on the LCD screen for easy operation.



PROFILE 1  
S:NO.001  
U:HAKKO TARO  
S:SH63 PB37

### Profile

Lets you register station name, user names, solder types, for easier management and status confirmation.

TIP LOADS  
APPROX.  
000657 Points  
<RESET> <OK>

### Tip Loads

Lets you track tip wear by automatically recording the number of soldering operations\*.

\*This feature is only intended to serve as a general guide.

TIP TIME  
0013 hours  
<RESET> <OK>

### Tip Time

Counts the length of time that the tip has been powered on. If you set a time with the alert function, the system will notify you when it is time to replace the tip.

<01>  
N  
■■■■■■

### Tip Type

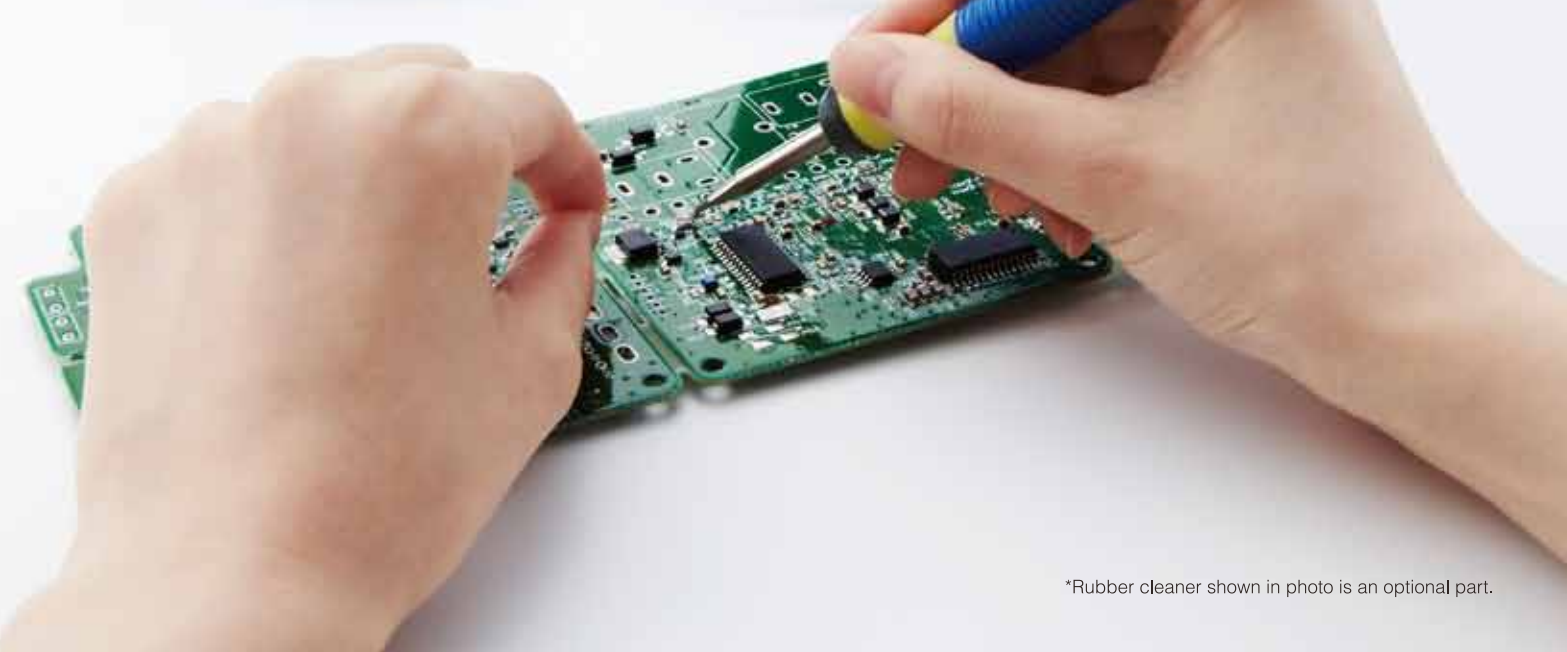
Displays the temperature type of tip currently in use.

# Induction heating for excellent thermal efficiency

The unique Induction Heating (IH) system used by the HAKKO FX-100, which automatically heats the tips and rapidly returns it to the fixed temperature whenever a load is applied to the tip, includes HAKKO's proprietary "Power Assist" function.

This function provides less temperature drop and improved thermal recovery when soldering. And if you need a bit more power for those challenging solder joints, just select "Boost Mode".

\*Power Assist is HAKKO's proprietary function that monitors current, detects drops in tip temperature, and increases power to assist thermal recovery characteristics.



\*Rubber cleaner shown in photo is an optional part.