

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.

Unit: mm

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 0.2RJB	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 T31-02 Series: 400°C T31-03 Series: 350°C
Temperature stability	±1.1°C
Station	
Output power	50 W
Output frequency	13.56 MHz
Dimensions	127(W) × 150(H) × 167(D)mm
Weight	3 kg
Soldering Iron	
Tip to ground resistance	<2 Ω
Tip to ground potential	<2 mV
Heating element	IH (Induction heating)
Cord length	1.3 m
Total length (w/o cord)	190 mm with 2.4D tip for 350°C or 400°C 193 mm with 2.4D tip for 450°C
Weight (w/o cord)	31 g with 2.4D tip for 400°C



Soldering Iron

Station Type
IH Soldering Station

HAKKO FX-100 ESD SAFE
SOLDERING STATION

Raising the world standard in induction heating soldering irons



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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

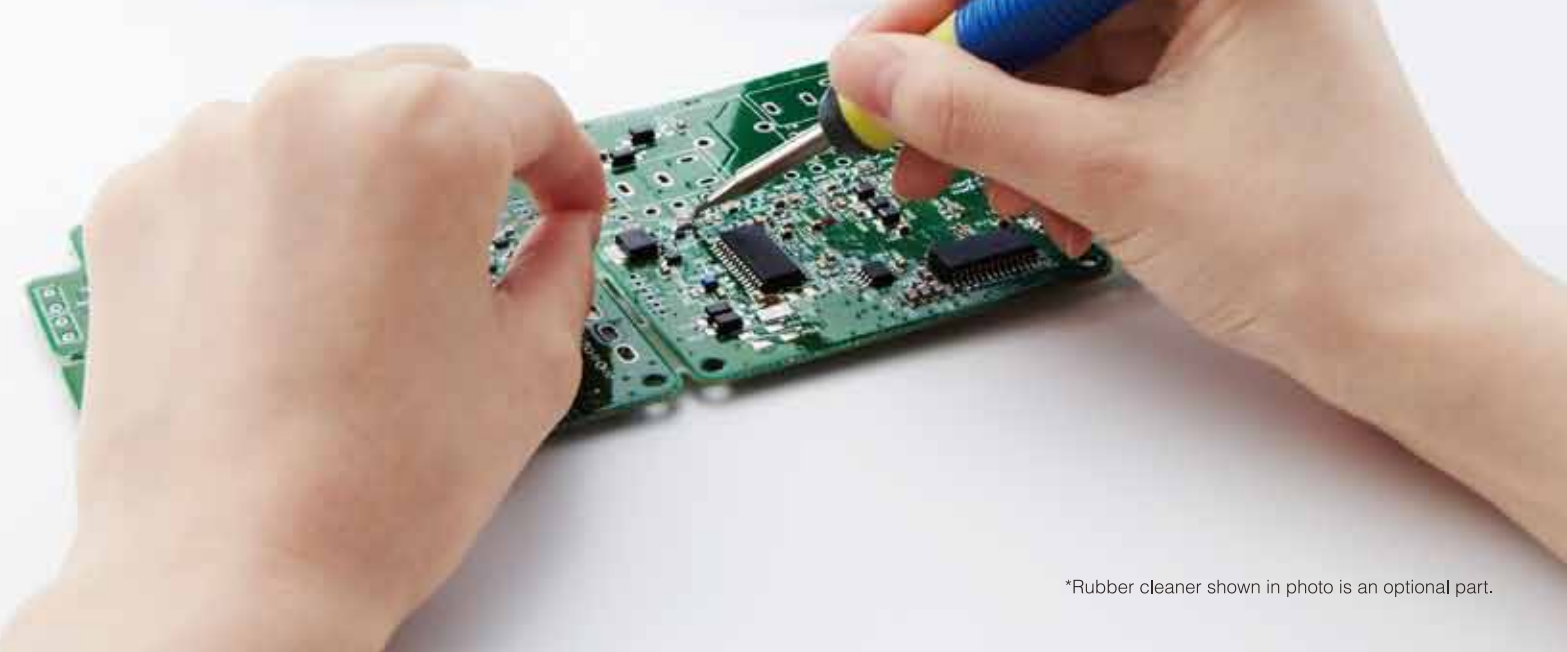
Displays the temperature type of tip currently in use.

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.