HAKKO

Soldering Iron

Station Type
IH Soldering Iron

HAKKO FX-100 ESD SAFE
SOLDERING STATION

Raising the world standard in induction heating soldering irons

GOOD DESIGN



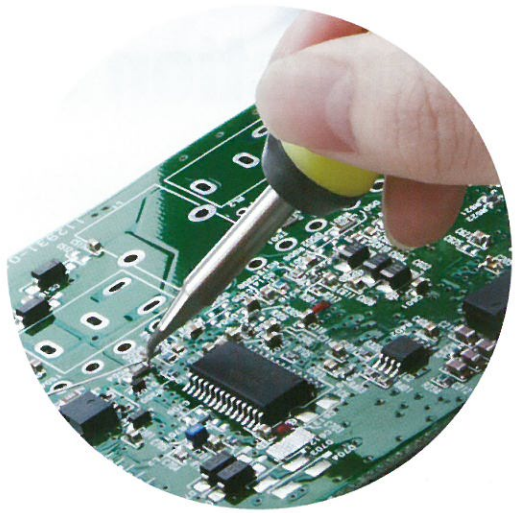
A next-generation IH soldering iron

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.



GOOD DESIGN

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

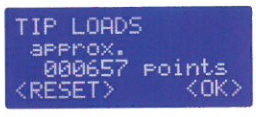
The station's three buttons can be used to switch between modes. The function of each button is displayed on the LCD screen for easy operation.





Profile

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



Tip Loads

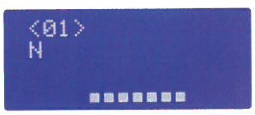
Lets you track tip wear by automatically recording the number of soldering operations*.

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



Tip Time

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.



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.

Compatible with T31 Series

Replacement tips

■ Part numbers

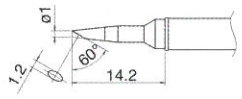
T31-XX BC1

450°C ▶ 01
400°C ▶ 02

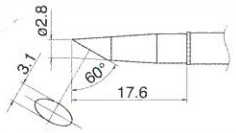
Indicates tip shape and size

Unlike conventional temperature setting systems, every tip in the lineup is fixed at either 400°C or 450°C.
This makes managing the set temperature of the soldering iron easier than ever.

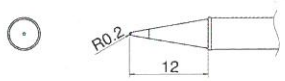
T31-01BC1 / T31-02BC1 Shape 1BC



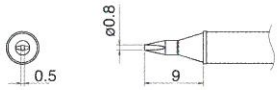
T31-01BC28 / T31-02BC28 Shape 2.8BC



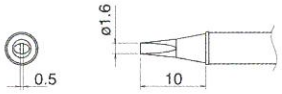
T31-01BL / T31-02BL Shape BL



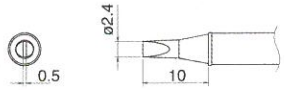
T31-01D08 / T31-02D08 Shape 0.8D



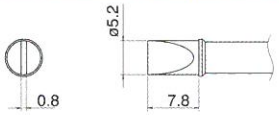
T31-01D16 / T31-02D16 Shape 1.6D



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



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



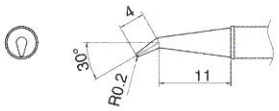
T31-01I / T31-02I Shape I



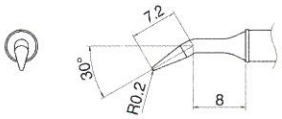
T31-01IL / T31-02IL Shape IL



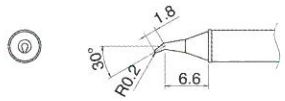
T31-01J02 / T31-02J02 Shape 0.2RSB



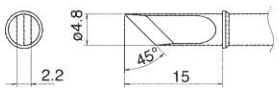
T31-01JL02 / T31-02JL02 Shape 0.2RLB



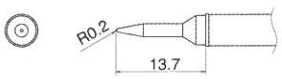
T31-01JS02 / T31-02JS02 Shape 0.2RSSB



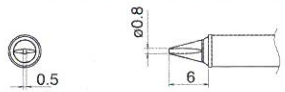
T31-01KU / T31-02KU Shape KU



T31-01SBL / T31-02SBL Shape SBL



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



FX–100

Packing List



HAKKO FX–100 IH Soldering Station

CONTENTS: Soldering station (HAKKO FX-100), Soldering iron (HAKKO FX-1001), Heat resistant pad, Power cord, Sleeve (green and gray), Iron holder (with cleaning sponge and cleaning wire), 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)
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 tip
Weight (w/o cord)	31 g (0.07 lb.) with T31-02D24 tip

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