Raising the world standard in induction heating soldering irons

**FX-100**

- **Power consumption**: 28 W (35 W)
- **Tip temperature**:
  - T31-01 Series: 450°C
  - T31-02 Series: 400°C
  - T31-03 Series: 350°C
- **Temperature stability**: ±1°C
- **Output power**: 50 W
- **Output frequency**: 13.56 MHz
- **Dimensions**: 137(W) x 150(H) x 167(D) mm
- **Weight**: 3 kg
- **Tip to ground resistance**: ≤2Ω
- **Tip to ground potential**: ≤2 mV
- **Heating element**: IH (Induction heating)
- **Cord length**: 1.5 m
- **Total length without cord**: 193 mm with 240V/50°C or 60°C
- **Weight without cord**: 31 g with 240V/50°C or 60°C

**Station, Handpiece (FX-100), Heat resistant pad, Power cord, Sleeve (green), Sleeve (gray), Iron holder, Instruction manual**

**Specifications**

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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
  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.