Specifications

Model No. FX-838 150W 110V 110W 100W

Station
Output Voltage AC 27V
Temperature Range 200 to 450°C
Temperature Stability ±0.5°C
Dimensions 110 (W) x 110 (D) x 300 (H) mm
Weight 2.4 kg

Soldering iron
Power Consumption 100W (110V)
Tip to Ground Resistance ≤1Ω
Heating Element Cartridge heater
Cord Length 1.8 m
Max. Weight (Iron only) 175 g (with 2.4 mm tip)
Weight (Iron and cord) 32 g (with 2.4 mm tip)

Replacement and Optional Parts

Part No. Name/Description FX822-24T ⑨,90 soldering iron 150W (27V)

Optional Tips

T20-B2 Shape-0,8B, T20-B02 Shape-0,8B, T20-B05 Shape-0,8B
T20-BC1 Shape-0,8C, T20-B06 Shape-0,8C
T20-BC2 Shape-0,8C, T20-B07 Shape-0,8C
T20-BC3 Shape-0,8C, T20-B08 Shape-0,8C
T20-B09 Shape-0,8C, T20-B0X Shape-0,8C
T20-B2 Shape-1,2D, T20-B12 Shape-1,2D
T20-J02 Shape-0,2J, T20-JK Shape-0,2J
T20-K Shape-K, T20-KL Shape-K
T20-B0L Shape-0,5L, T20-B0M Shape-0,5L
T20-B0L Shape-0,5L, T20-B0M Shape-0,5L

* These tips are threaded on the soldering surface only.

HEAD OFFICE

HAKKO CORPORATION
1-9-3 YASUDA, AKIZUKI, NISHINOMIYA, HYOGO 662-8511 JAPAN
http://www.hakko.co.jp E-mail:sales@hakko.co.jp

OVERSEAS AFFILIATES

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**Great thermal recovery**

150W hand piece provides great thermal recovery, which allows soldering at lower set temperatures to minimize concern about the influence of heat on components and tip life.

**Improvement of work efficiency**

- It is suitable for soldering power-supply boards, multilayer boards, heat sinks and shield cases, which require high heat capacity. It is also appropriate for soldering multilayer boards on which fine and micro components have been mounted.
- It has beneficial effects on lead-free soldering, for which the melting point is high.

**Available 20 different shapes as the replacement tip**

To match various application, from large to fine components, we reviewed the shape of each tip type in detail and pursued heat efficiency and ease of use. (For tip shapes, please refer to the back cover.)

**Equipped with high-power mode**

If the work efficiency in the standard mode is not enough when soldering heat sinks, shield cases and chassis, which require high heat capacity in particular, changing to the high-power mode provides more powerful soldering.

*When this mode starts, fluctuation in temperature may occur.*

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**Temperature preset mode**

The temperature preset mode allows you to input three frequently-used temperatures in advance and recall them with one push of a button.

- P1: Push the button once
  - Temperatures: 300°C
- P2: Push the button once
  - Temperatures: 350°C
- P3: Push the button once
  - Temperatures: 400°C

*Factory default is normal.* Change the parameter to use temperature preset mode.

*Factory default: 300°C for P1, 350°C for P2 and 400°C for P3*

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**Thermal control function**

- The temperature setting can be locked with the control card.
- An alarm can be set to inform that the preset lower limit has been reached.
- Easy temperature offset.

**Auto sleep function**

- Function to minimize oxidation of the tip and extend the service life of the tip

The auto sleep function activates for an arbitrarily-set time after the iron is inserted into the iron holder to decrease the tip temperature. (The auto sleep temperature setting range is 200°C to 300°C.) Setting the sleep temperature higher can reduce the time until start-up after releasing the sleep mode.

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**Auto power shut off function**

- Energy-saving function

Auto power shut off activates 30 minutes after the iron is inserted into the iron holder and left unused.

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**Tip cleaner 599B included as a standard accessory**

The tip cleaner with the water-free wire-type can be used instead of the cleaning sponge.