

FX-100 ESD SAFE



IH Soldering Station **Digital**

Tip not included



- Provides the heat to the tip effectively by an 'Induction heater'
- Unique "Power assist" feature that assists the thermal recovery performance of the soldering iron tip
- No calibration is required.
- Wide variety of tips available
- Meets or exceeds IPC J-STD-001 and ANSI ESD S20.20.

Optional Tips for FX-1001

Unit: mm

T31-XXBC1 "01" for 450°C (A: 71.5) "02" for 400°C (A: 68.5) "03" for 350°C (A: 68.5)				
T31-01BC1 Shape-1BC T31-02BC1 T31-03BC1 	T31-01BC28 Shape-2.8BC T31-02BC28 T31-03BC28 	T31-01BL Shape-BL T31-02BL T31-03BL 	T31-01D08 Shape-0.8D T31-02D08 T31-03D08 	T31-01D16 Shape-1.6D T31-02D16 T31-03D16
T31-01D24 Shape-2.4D T31-02D24 T31-03D24 	T31-01D52 Shape-5.2D T31-02D52 T31-03D52 	T31-01I Shape-I T31-02I T31-03I 	T31-01IL Shape-IL T31-02IL T31-03IL 	T31-01J02 Shape-0.2RSB T31-02J02 T31-03J02
T31-01JL02 Shape-0.2RLB T31-02JL02 T31-03JL02 	T31-01JS02 Shape-0.2RSSB T31-02JS02 T31-03JS02 	T31-01KU Shape-KU T31-02KU T31-03KU 	T31-01SBL Shape-SBL T31-02SBL T31-03SBL 	T31-01WD08 Shape-0.8WD T31-02WD08 T31-03WD08

Optional Tips for FX-1002

Unit: mm

T35-XXD06 "02" for 400°C (A: 64) "03" for 350°C (A: 64)				
T35-02D06 Shape-0.6D T35-03D06 	T35-02D1 Shape-1D T35-03D1 	T35-02I Shape-I T35-03I 	T35-02J Shape-J T35-03J 	T35-02KU Shape-KU T35-03KU

Features

IH (induction heater) for excellent thermal efficiency. Ideal for the most challenging soldering jobs.

FX-100 features IH (induction heater) that continuously powers the soldering iron and maintains the set temperature by automatically detecting even minute drops in temperature, plus HAKKO's proprietary "Power Assist" function.



FX-100 achieves powerful thermal recovery even with fine-shaped tips.

It provides excellent thermal responsiveness that conventional IH and sensor feedback systems cannot offer.

Boost function

To increase tip temperature by 5 to 10°C (depends on tip shape) for better working efficiency.

Connectable with micro soldering iron

For micro soldering applications under a microscope

FX-1002 55W

Micro Soldering Iron

Tip not included



Packing List

FX-100	Station, Handpiece (FX-1001), Heat resistant pad, Power cord, Sleeve (green), Sleeve (gray), Cleaning wire, Iron holder, Instruction manual
FX-1002 (Conversion kit)	Handpiece, Sleeve (green), Heat resistant pad, Iron holder, Instruction manual

Interactive method by LCD display with 3 buttons

PROFILE

```
PROFILE 1
S: HAKKO-1
U: ID-123
S: 0.6 LEAD FREE
```

Station ID, user name and solder type can be registered.

TIP LOAD

```
TIP LOADS
APPROX.
000025 points
<RESET> <OK>
```

The soldering count is displayed.

TIP TIME

```
TIP TIME
0023 hours
<RESET> <OK>
```

The cumulative running time on the iron tip is displayed.

TIP TYPE and NORMAL MODE/BOOST MODE

```
<01>
N
*****
```

Visible tip type (01/02/03) and normal mode (N)/boost mode (B) on display

Specifications

Model No.	FX-100
Power consumption	28 W (85 W)
Temperature range	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*	190 mm with T31-02D24 or T31-03D24 tip 193 mm with T31-01D24 tip
Weight*	31 g (with T31-02D24 tip)

* Without cord

Model No.	FX-1002
Temperature range	T35-02 Series: 400°C, T35-03 Series: 350°C
Tip to ground resistance	<2 Ω
Tip to ground potential	<2 mV
Heating element	IH (Induction heating)
Cord length	1.3 m
Total length*	166 mm (with T35-02D1 tip)
Weight*	21 g (with T35-02D1 tip)

* Without cord