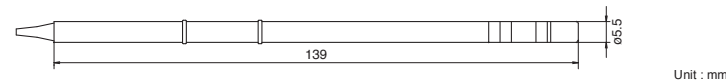


Optional tips - No offset required

Temperature accuracy $\pm 15^{\circ}\text{C}$ without offset

The iron tips marked with * have a temperature accuracy of $\pm 25^{\circ}\text{C}$.



Unit : mm

T15-B Shape-B 	T15-B2 Shape-0.5B 	T15-B3 Shape-0.7B 	T15-B4 Shape-0.4B 	T15-BLL Shape-BLL 	T15-BC1 Shape-1BC T15-BCF1*
T15-BC2 Shape-2BC T15-BCF2* 	T15-BC3 Shape-3BC T15-BCF3* 	T15-BC12 Shape-1.2BC 	T15-BC15 Shape-1.5BC 	T15-BC28 Shape-2.8BC 	T15-BCM2 Shape-2BC Bevel with indent
T15-BCM3 Shape-3BC Bevel with indent 	T15-SBC04 Shape-0.4SBC 	T15-C1 Shape-1C 	T15-CF2* Shape-2C 	T15-CF3* Shape-3C 	T15-C4 Shape-4C T15-CF4*
T15-D08 Shape-0.8D 	T15-D12 Shape-1.2D 	T15-D16 Shape-1.6D 	T15-D2 Shape-2D 	T15-D24 Shape-2.4D 	T15-D32 Shape-3.2D
T15-D4 Shape-4D 	T15-D52 Shape-5.2D 	T15-DL32 Shape-3.2DL 	T15-DL4 Shape-4DL 	T15-DL52 Shape-5.2DL 	T15-XD15 Shape-1.5XD
T15-I Shape-I 	T15-IL Shape-IL 	T15-ILS Shape-ILS 	T15-J02 Shape-0.2J 	T15-JD08 Shape-0.8JD 	T15-JD14 Shape-1.4JD
T15-JD16 Shape-1.6JD 	T15-JL02 Shape-0.2JL 	T15-JS02 Shape-0.2JS 	T15-K Shape-K 	T15-KF Shape-KF 	T15-KL Shape-KL
T15-KU Shape-KU 	T15-R20 Shape-2.0R 	T15-R23 Shape-2.3R 	T15-R27 Shape-2.7R 	T15-R34 Shape-3.4R 	T15-R48 Shape-4.8R
T15-SB02 Shape-0.2SB 	T15-SB03 Shape-0.3SB 	T15-SB05 Shape-0.5SB 	T15-SB08 Shape-0.8SB 	T15-SBS04 Shape-0.4SBS 	T15-SBS07 Shape-0.7SBS
T15-1201** Quad 13.6 x 8.5 	T15-1202** Quad 10.3 x 10.3 	T15-1203** Quad 12.8 x 12.8 	T15-1204** Quad 17.9 x 17.9 	T15-1205** Quad 23.4 x 17.3 	T15-1206** Quad 22.5 x 16.5
T15-1207** Quad 15.5 x 15.5 	T15-1208** Quad 15.8 x 15.8 	T15-1209** Quad 8.4 x 8.4 	T15-1210** Quad 15.4 x 12.8 	T15-1001** Tunnel 5.1 x 4.6 	T15-1002** Tunnel 5.1 x 10.4
T15-1003** Tunnel 9.5 x 18.3 	T15-1004** Tunnel 9.5 x 15.8 	T15-1005** Tunnel 9.5 x 13.2 	T15-1006** Tunnel 6.9 x 11.4 	T15-1007** Tunnel 7.9 x 18.8 	T15-1008** Tunnel 19.5 x 10.2
T15-1009** Tunnel 13.4 x 20.5 	T15-1010** Tunnel 19.5 x 12 	T15-1401** Spatula 10.4 	T15-1402** Spatula 15.7 	T15-1403** Spatula 21.2 	
T15-1406** Spatula 40 	T15-1603** Shape-Long reach chisel 	T15-1605** Shape-Long reach bent chisel 	Shape B Shape J SMD Type(Tunnel) Shape BC Shape K SMD Type(Spatula) Shape C Shape R Special Applications Type Shape D Shape SB Shape I SMD Type(Quad)		

* These tips are tinned on the soldering surface only.

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The standard model for lead-free soldering

HAKKO FX-950

SOLDERING STATION

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HAKKO FX-950 <Analog type>



* The included iron holder FH-101 is a stand-alone type and does not interlock with the sleep function.
* Tip is an optional part.

HAKKO FX-951 <Digital type>

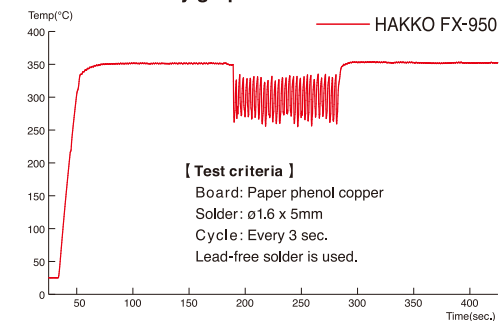


Innovative thermal control

Great thermal recovery and reliable temperature accuracy

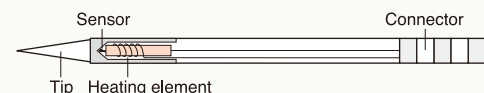
The composite tip enables great recovery and reliable temperature accuracy. In addition, soldering can be performed at lower setting temperatures.

Thermal recovery graph



What is a composite tip?

A composite tip consists of a combined heating element and sensor, joined to the tip by a ceramic compound to form a single unit. The composite tip is very small but superior in thermal response and has highly-improved thermal recovery characteristics.



Thermal control function

Lock the setting temperature with a special lock key.

Unless the lock key is inserted, the setting temperature cannot be changed.



1 Insert the lock key.



2 Turn the knob to set the temperature.



3 By pulling out the key, the temperature will be fixed.

Offset function

Standard 83 types of tip variations

- The standard 83 types of tips are available for various kinds of soldering work.
(For tip shapes, see the next page.)

Space-saving design

- The compact design does not fill your work space.

Sleep function (6-min setting) Option

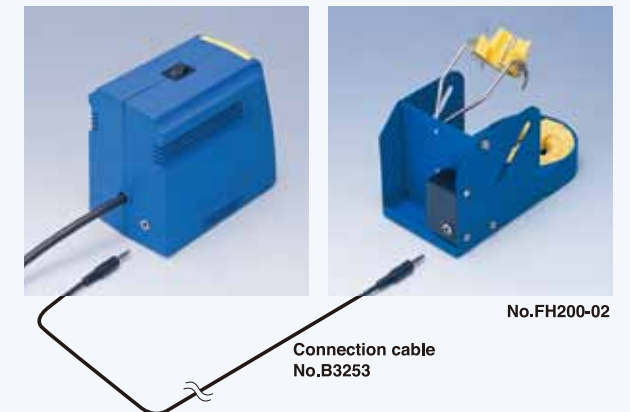
If an optional iron holder FH-200 is connected to the FX-950 station via a connecting cable (option: No. B3253), and then the iron FM-2028 is placed on the iron holder, the sleep function will operate after 6 minutes and the tip temperature will decrease to below 200°C.

This function relieves the loads applied to the tip and prevents the tip from being oxidized.

- The sleep starting time cannot be changed.
- The FX-950 is not equipped with the auto-power shut-off function.

Safe design

- ESD safe by design.
- Informing of various errors by lamp or display.
(Sensor error/Soldering iron error/Heater terminal short-circuit error)



Performance comparison

	FX-950	FX-951
Analog/digital type	Analog	Digital
Power consumption	70W	
Iron	FM-2028	
Tip	T15 series (tip and heating element combined type)	
Type of tips	More than 80 types	
CAL/Offset	Off-set	
Power-save function	Auto-power shut-off function	×
	Sleep function	○ *Optional setting: 6 min.
Thermal setting lock	Lock key	Control card
Station size(mm)	80(W) x 118(H) x 138(D)	80(W) x 130(H) x 131(D)

Specifications

HAKKO FX-950 soldering station

Power consumption	75W
Temperature range	200 - 450°C
Temperature stability	±5°C

Station

Output	24V
Dimensions	80(W) x 118(H) x 138(D)mm
Weight	1.2kg

HAKKO FM-2028 soldering iron

Power consumption	70W
Tip to ground resistance	< 2
Tip to ground potential	< 2mV
Length of cord	1.2m
Total Length (w/o cord)	188mm with 2.4D tip
Weight (w/o cord)	30g with 2.4D tip

NOTE : *The temperature were measured using the HAKKO FG-100 thermometer.
*This product is protected against electrostatic discharge.

Packing List

Station	1
Iron (FM-2028)	1
Power cord	1
Iron holder (FH-101)	1
Lock key	1
Heat resistant pad	1

*Tip is an optional part.

Replacement and Optional Parts

Part No.	Name/Description
FH200-02	Iron holder with cleaning sponge
B3253	Connecting cable
599B-02	Tip cleaner
B2756	Tip tray

Part No.	Name/Description
B3216	Sleeve assembly, yellow
B3217	Sleeve assembly, orange
B3218	Sleeve assembly, blue
B3219	Sleeve assembly, green