

The standard model for lead-free soldering

HAKKO **FX-951** **ESD**
SOLDERING STATION **SAFE**



HAKKO's advanced lead-free soldering model added safe function and upgrading performance.



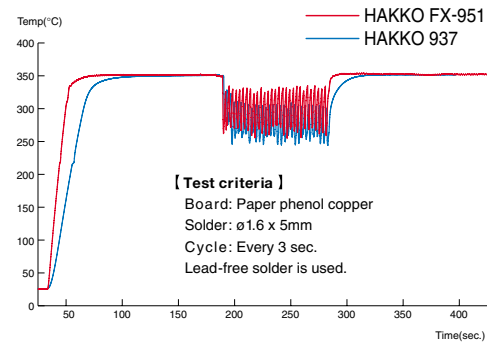
* Tip is an optional part.

Excellent thermal control

Shows great thermal recovery and thermal accuracy

The composite tip combining heating element and sensor allows great thermal recovery and thermal accuracy.

Thermal recovery graph



User-friendly design

Space-saving vertical design allows more space on the work bench.

The neat and compact design conforms to the work space more easily. Dimensions: 80(W) x 130 (H) x 131 (D) mm

User-friendly iron holder

The angle can be adjusted to suit the individual working style.

The unit can be used with HAKKO 599B instead of a cleaning sponge.
HAKKO 599B
No water is required.

The angle can be freely changed.

Thermal control function

- The temperature setting can be locked with the control card.
- An alarm can be set to inform reaching the preset lower limit.
- The digital display makes it easier to offset the temperature.

Safe design

- ESD safe by design.
- Various kinds of information by a buzzer or display.

No offset required

New series of tip for excellent temperature accuracy $\pm 15^{\circ}\text{C}$ without offset.



Sleeve assembly in 4-color

Yellow, blue, orange and green color sleeve assemblies are available. Workability increases if sleeves are changed according to the tip shape and job application.



Sleeve assembly (Lock-type/antibacterial)
Yellow : No. B3216
Blue : No. B3218
Orange: No. B3217
Green : No. B3219

For storage of tip

Tip tray
No.B2756



Sleep function to minimize oxidation of tip

The sleep function operates while being linked to the iron holder. After the iron is inserted into the iron holder, the sleep function activates for an arbitrarily-set time (0 to 29 min.) and the tip temperature will decrease to 200°C .

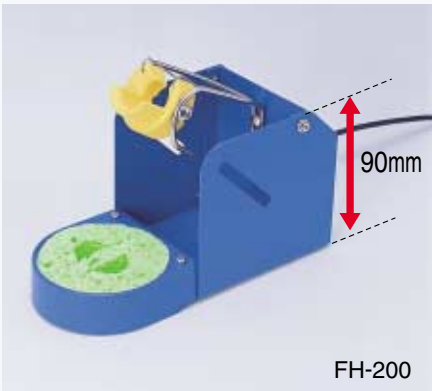
Auto power shut off function

The auto power shut off function operates while being linked to the iron holder. Auto power shut off activates 30 minutes after the iron is inserted into the iron holder.



Solder-splashing prevention

A higher side plate of the iron holder prevents solder from splashing when placing the tip.



Specifications

HAKKO FX-951 soldering station

Power consumption	75W
Temperature range	200 - 450°C
Temperature stability	$\pm 5^{\circ}\text{C}$

Station

Output	24V
Dimensions	80(W) x 130(H) x 131(D)mm
Weight	1.2kg

HAKKO FM-2028 soldering iron

Power consumption	70W
Tip to ground resistance	$< 2\Omega$
Tip to ground potential	$< 2\text{mV}$
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

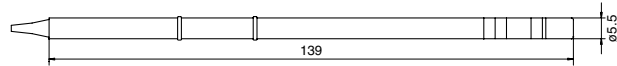
Station	1
Iron (FM-2028)	1
Power cord	1
Iron holder (FH-200)	1
Control card	1
Connecting cable	1
Heat resistant pad	1

*Tip is an optional part.

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-BL LONG 	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-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-DL4 SHAPE-4D LONG
T15-DL52 SHAPE-5.2D LONG 	T15-XD15 SHAPE-1.5XD 	T15-I SHAPE-I 	T15-IL SHAPE-IL 	T15-ILS SHAPE-ILS 	T15-J02 SHAPE-0.2J
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-SBC04 SHAPE-0.4SBC
T15-SBS04 SHAPE-0.4SBS 	T15-SBS07 SHAPE-0.7SBS 	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
T15-1201** 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 	T15-1401** SPATULA 10.4 	T15-1402** SPATULA 15.7
T15-1403** SPATULA 21.2 	T15-1406** SPATULA 40 	T15-1603** SHAPE-1.8MM LONG REACH CHISEL 	T15-1605** SHAPE-LONG REACH BENT CHISEL 	SHAPE B SHAPE BC SHAPE C SHAPE D SHAPE I SHAPE J SHAPE K SHAPE R SHAPE SB TUNNEL QUAD SPATULA SPECIAL APPLICATIONS TYPE	

* Tinned on the soldering surface only.

Due to continuing product improvement efforts, specifications and external appearance are subject to change without notice.
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