

HAKKO FX-952

SOLDERING STATION

Instruction Manual

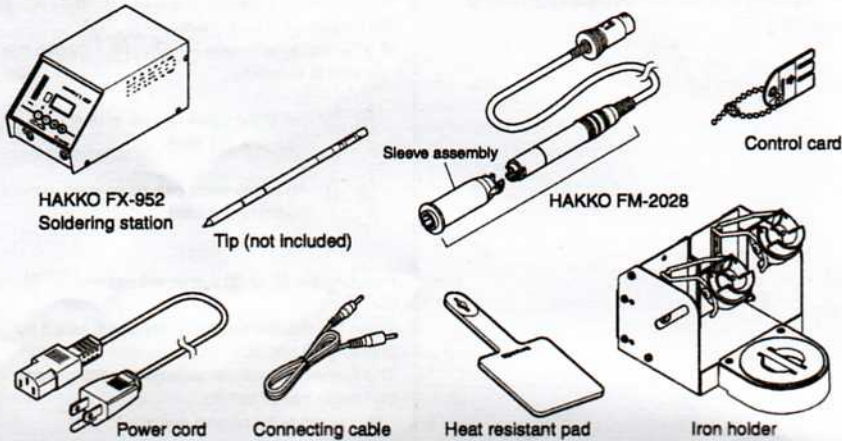
High-output, temperature controlled soldering station

Thank you for purchasing HAKKO FX-952 soldering station.
Please read this manual before operating the HAKKO FX-952.
Keep this manual readily accessible for reference.

1. PACKING LIST AND PART NAMES

Please check to make sure that all items listed below are included in the package.

HAKKO FX-952 soldering station	1	Heat resistant pad	1
HAKKO FM-2028 soldering iron	2	Iron holder	1
Control card	1	Connecting cable	2
Power cord	1	Instruction manual	1



2. SPECIFICATIONS

HAKKO FX-952 soldering station

Power consumption	130W
Temperature range	200 - 450°C (400 - 840°F)
Temperature stability	±5°C (±9°F)

● Station

Output	24V
Dimensions	113 (W) × 106 (H) × 206 (D) mm
Weight	2.6kg

● HAKKO FM-2028 soldering iron

Power consumption	70 W (24 V)
Tip to ground resistance	< 2 Ω
Tip to ground potential	< 2 mV
Length of cord	1.2 m (4 ft.)
Total length (w/o cord)	188 mm (7.4 in.) with 2.4D tip
Weight (w/o cord)	30 g (0.07 lb.) with 2.4D tip

NOTE:

The temperature were measured using the HAKKO 191 or FG-101 thermometer.
This product is protected against electrostatic discharge.

⚠ CAUTION

This product includes such features as electrically conductive plastic parts and grounding of the handpiece and station as measures to protect the device to be soldered from the effects of static electricity. Be sure to observe the following instructions:



1. The handle and other plastic parts are not insulators, they are conductors. When replacing parts or repairing, take sufficient care not to expose live electrical parts or damage insulation materials.
2. Be sure to ground the unit during use.

Specifications and design are subject to change without notice.

3. WARNINGS, CAUTIONS AND NOTES

WARNING

Warnings, cautions and notes are placed at critical points in this manual to direct the operator's attention to significant items. They are defined as follows:

-  **WARNING:** Failure to comply with a WARNING may result in serious injury or death.
-  **CAUTION:** Failure to comply with a CAUTION may result in injury to the operator, or damage to the items involved. Two examples are given below.
- NOTE:** A NOTE indicates a procedure or point that is important to the process being described.

CAUTION

When power is ON, tip temperatures will be between 200 and 450°C. (392 to 840°F.) To avoid injury or damage to personnel and items in the work area, observe the following:

- Do not touch the tip or the metal parts near the tip.
- Do not allow the tip to come close to, or touch, flammable materials.
- Inform others in the area that the unit is hot and should not be touched.
- Turn the power off when not in use, or left unattended.
- Turn the power off when changing parts or storing the HAKKO FX-952.

To prevent accidents or damage to the HAKKO FX-952, be sure to observe the following:

- Do not use the HAKKO FX-952 for applications other than soldering.
- Do not allow the HAKKO FX-952 to become wet, or use it when hands are wet.
- Do not modify the HAKKO FX-952.
- Use only genuine HAKKO replacement parts.
- Do not bend or damage the control card. If the card does become damaged, do not force the card into the station slot.
- Do not strike the iron against hard objects to remove excess solder. This will damage the iron.
- Be sure the work area is well ventilated. Soldering produces smoke.
- While using HAKKO FX-952, don't do anything which may cause bodily harm or physical damage.

4. INITIAL SETUP

A. Iron holder

- Loosen the adjusting screws to change the angle of the iron receptacle as you like, then tighten the screws.
- The sponge is compressed. It will swell when moistened with water. Before using the unit, dampen the sponge with water and squeeze it dry.
 1. Put the small cleaning sponge in one of the five holes in the iron holder base.
 2. Add water to the iron holder base. The small sponge will keep the large sponge moist through capillary action.
 3. Wet the large sponge, squeeze it dry and put it on the iron holder base.
- Use of the sleep function
When using the sleep function, insert one end of the connecting cable into the jack at the back of the iron holder and the other end into the jack at the back of the soldering station to connect them.

NOTE:

Confirm that the jack number of the soldering station matches the jack number of the iron holder before connecting the cable.

Example: Jack number ① of the soldering station → Jack number ① of the iron holder

CAUTION

Be sure to turn off the power before connecting or disconnecting the connecting cable.

B. Handpiece cord assembly

Pass the iron cord through the hole in the heat resistant pad.

C. Soldering station

CAUTION

Be sure the power switch is OFF before connecting or disconnecting the soldering iron cord. Failure to do so may result in damage to the circuit board.

CAUTION

Remove power and iron cords by holding the plug-not the wires.

1. Insert the power cord into the receptacle at the back of the station.
Insert the soldering iron cord into the receptacle at the front of the station.
2. Set the iron in the iron holder.
3. Plug the power cord into a grounded wall socket.

CAUTION

The HAKKO FX-952 is protected against electrostatic discharge and must be grounded for full efficiency.

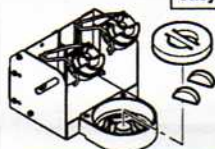


CAUTION

Do not set up the iron receptacle too high, the temperature of the soldering iron will become very hot.

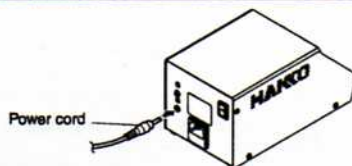
CAUTION

Do not lay down the iron receptacle too much, it can be easy to fall down.



CAUTION

Using the sponge without dampen with water may damage the tips.



Power cord



Insert the plug into the receptacle until it seats.



Receptacle

To disconnect, pull the plug from the receptacle whilst pressing down the tab on the plug.

