

FX-951 ESD SAFE

High Performance Soldering Station **Digital**

Tip not included



- Compact high-power thermally-controlled soldering iron
- Informs you of errors by a warning buzzer or display

FX-950 ESD SAFE

High Performance Soldering Station **Analog**

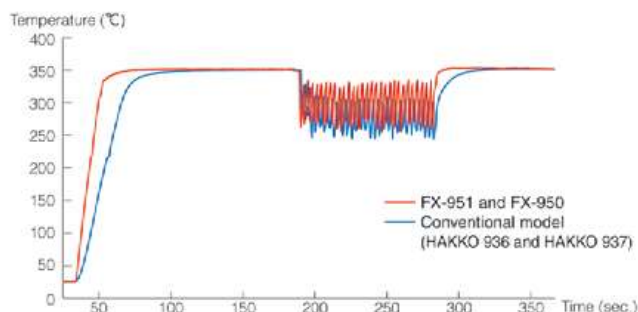
Tip not included



- Analog type high-power thermally-controlled soldering iron
- “Lock key” can lock the temperature setting.
- Informs you of various errors by a lamp

Features

Thermal recovery graph (comparison of HAKKO products)



Test criteria

Measurement method	A thermocouple is mounted on the tip and the tip temperature is measured when soldering $\phi 1.6$ mm \times 5 mm solder to paper phenol copper board once every 3 seconds.
Board	Paper phenol copper board.
Temperature setting	350°C
Solder	Lead-free solder (Sn/Ag/Cu), diameter: 1.6 mm \times 5 mm

Connectable with micro soldering iron

For micro soldering applications under a microscope

FM-2032 55W

Micro Soldering Iron

Tip not included

Please see the optional tips on P.51.



N₂ Soldering is available with optional parts (P.47 & P.51).

Connectable with N₂ soldering iron

To improve solder wettability and spreadability

FM-2026 55W

N₂ Soldering Iron

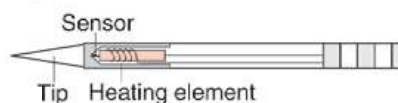
Tip not included

Please see the optional tips on P.51.



For further details, see the N₂ system (P.46 & P.47).

Composite tip



The composite tip with an integrated heating element and sensor offers superior thermal responsivity and thermal recovery.

Specifications

Model No.	FX-951	FX-950
Power consumption	75 W	
Temperature range	200 to 450°C	
Temperature stability	±5°C at idle temperature	

Station

Output voltage	AC 24 V
Dimensions	FX-951: 80 (W) \times 130 (H) \times 131 (D) mm FX-950: 80 (W) \times 118 (H) \times 138 (D) mm
Weight	1.2 kg

Soldering Iron

Power consumption	70 W (24 V)
Tip to ground resistance	<2 Ω
Tip to ground potential	<2 mV
Heating element	Composite heater
Cord length	1.2 m
Total length*	188 mm (with 2.4D tip)
Weight*	30 g (with 2.4D tip)

* Without cord

Model No.	FM-2032	FM-2026
Power consumption	48 W (24 V)	70 W (24 V)
Temperature range	200 to 450°C	
Tip to ground resistance	<2 Ω	
Tip to ground potential	<2 mV	
Heating element	Composite heater	
Cord length	1.3 m	1.2 m
Total length	170 mm* (with 1D tip)	205 mm** (with 2.4D tip)
Weight	14 g* (with 1D tip)	45 g** (with 2.4D tip and nozzle assembly C)

* Without cord ** Without cord and tube *** Use FM-2026 below 400°C.

Packing List

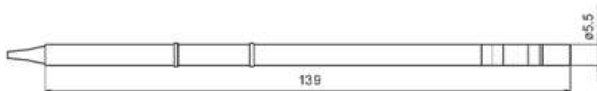
FX-951	Station, Handpiece (FM-2028), Control card, Power cord, Connecting cable, Heat resistant pad, Iron holder, Instruction manual
FX-950	Station, Handpiece (FM-2028), Lock key, Heat resistant pad, Iron holder, Instruction manual
FM-2032 (Conversion kit)	Handpiece, Heat resistant pad, Iron holder, Connecting cable, Instruction manual
FM-2026 (Conversion kit)	Handpiece, Sleeve cover, Sleeve assembly (yellow), Heat resistant pad, Iron holder, Connecting cable, Instruction manual

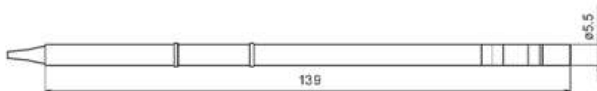





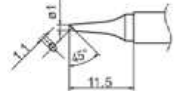
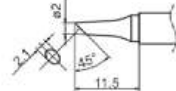
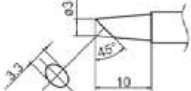
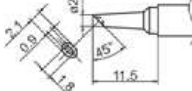

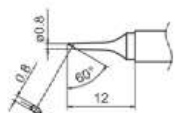
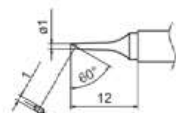
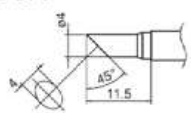
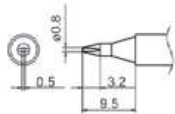
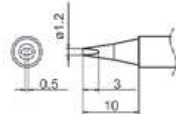
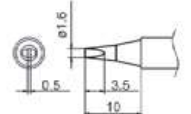
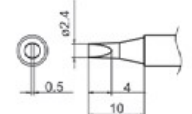
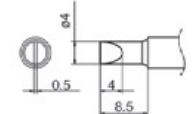
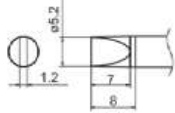
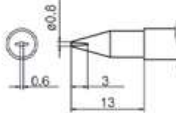
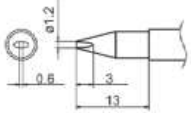
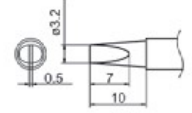
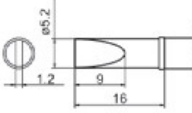

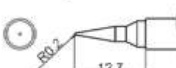
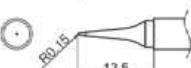
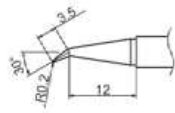
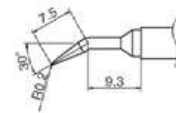
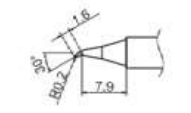
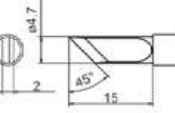
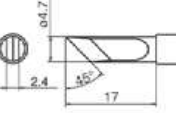
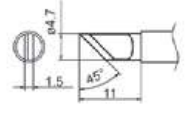
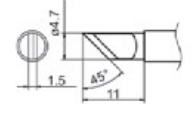
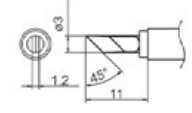
High Performance Soldering Station

Optional Tips for FM-2028

Unit: mm

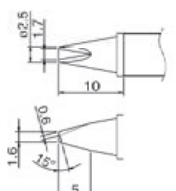
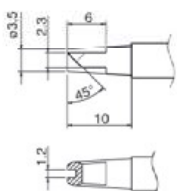
Standard type



					
B	T12-B Shape-B 	T12-B2 Shape-0.5B 	T12-B3 Shape-0.7B 	T12-B4 Shape-0.4B 	T12-BL Shape-BL 
BC	T12-BC1 Shape-1BC T12-BCF1* 	T12-BC2 Shape-2BC T12-BCF2* 	T12-BC3 Shape-3BC T12-BCF3* 	T12-BCM2 Shape-2BC Bevel with indent 	T12-BCM3 Shape-3BC Bevel with indent 
C	T12-C08 Shape-0.8C 	T12-C1 Shape-1C 	T12-C4 Shape-4C T12-CF4* 		
D	T12-D08 Shape-0.8D 	T12-D12 Shape-1.2D 	T12-D16 Shape-1.6D 	T12-D24 Shape-2.4D 	T12-D4 Shape-4D 
	T12-D52 Shape-5.2D 	T12-DL08 Shape-0.8DL 	T12-DL12 Shape-1.2DL 	T12-DL32 Shape-3.2DL 	T12-DL52 Shape-5.2DL 
I	T12-I Shape-I 	T12-IL Shape-IL 	T12-ILS Shape-ILS 		
J	T12-J02 Shape-0.2J 	T12-JL02 Shape-0.2JL 	T12-JS02 Shape-0.2JS 		
K	T12-K Shape-K 	T12-KF Shape-KF 	T12-KL Shape-KL 	T12-KR Shape-KR 	T12-KU Shape-KU 

* These tips are tinned on the soldering surface only.

Concave type

T12-1610 	T12-1612 
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SMD type

Quad	T12-1201 Quad 13.6 x 8.5 	T12-1202 Quad 10.3 x 10.3 	T12-1203 Quad 12.8 x 12.8 	T12-1204 Quad 17.9 x 17.9 	T12-1205 Quad 23.4 x 17.3
	T12-1206 Quad 22.5 x 16.5 	T12-1207 Quad 15.5 x 15.5 	T12-1208 Quad 15.8 x 15.8 	T12-1209 Quad 8.4 x 8.4 	
Tunnel	T12-1001 Tunnel 5.1 x 4.6 	T12-1002 Tunnel 5.1 x 10.4 	T12-1003 Tunnel 9.5 x 18.3 	T12-1004 Tunnel 9.5 x 15.8 	T12-1005 Tunnel 9.5 x 13.2
	T12-1006 Tunnel 6.9 x 11.4 	T12-1007 Tunnel 7.9 x 18.8 	T12-1008 Tunnel 19.5 x 10.2 	T12-1009 Tunnel 13.4 x 20.5 	T12-1010 Tunnel 19.5 x 12
Spatula	T12-1401 Spatula 10.4 	T12-1402 Spatula 15.7 	T12-1403 Spatula 21.2 	T12-1404 Spatula 25 	T12-1405 Spatula 32
	T12-1406 Spatula 40 				

Long life type

T12-BZ Shape-B (Z) 	T12-B2Z Shape-0.5B (Z) 	T12-BC1Z Shape-1BC (Z) T12-BCF1Z* 	T12-BC2Z Shape-2BC (Z) T12-BCF2Z* 	T12-BC3Z Shape-3BC (Z) T12-BCF3Z*
T12-C4Z Shape-4C (Z) T12-CF4Z* 	T12-D12Z Shape-1.2D (Z) 	T12-D16Z Shape-1.6D (Z) 	T12-D24Z Shape-2.4D (Z) 	T12-D4Z Shape-4D (Z)
T12-KFZ Shape-KF (Z) 	T12-KRZ Shape-KR (Z) 			

* These tips are tinned on the soldering surface only.

Heavy duty type

T12-WB2 Shape-0.5WB 	T12-WD08 Shape-0.8WD 	T12-WD12 Shape-1.2WD 	T12-WD16 Shape-1.6WD 	T12-WD52 Shape-5.2WD 	T12-WI Shape-WI