

HAKKO FX-951 ESD SAFE
SOLDERING STATION



- Excellent thermal recovery
- Suitable for various kinds of applications from touch up to heavy duty application.
- Informs you of errors via a warning buzzer or display.
- "Control Card" can lock the temperature settings.
- Quick and easy offsetting of tip temperature by the digital offset function.
- Low temperature alarm function is provided.
- Sleep function prevents the tip from being oxidized and extends the tip life.
- Energy-saving automatic power shut-off function.
- Space-saving compact design
- Antibacterial color sleeve enables the tip replacement to be easier and more comfortable.

Digital type

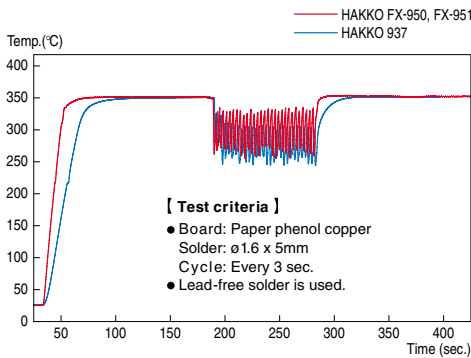
HAKKO FX-950 ESD SAFE
SOLDERING STATION



- Excellent thermal recovery
- Suitable for various kinds of applications from touch up to heavy duty application.
- "Lock key" can lock the temperature settings.
- Offset function
- Space-saving compact design
- Informing of various errors by lamp.

Analog type

Thermal Recovery Graph



Power-save Function (HAKKO FX-951)



The power-save function operates while being linked to the iron holder. After the iron is inserted into the iron holder, the sleep function*1 activates for an arbitrarily-set time (0 to 29 min.) and the tip temperature will decrease to 200°C. After 30 minutes have elapsed, the automatic power-off function*2 activates.

*1 To use sleep function, it is necessary to set the desired time arbitrarily in advance.
For using the sleep function with the FX-950, the FH200-01 or the FH 200-02 iron holder is required, which is sold as option. Then, the time before activating the sleep function is fixed by 6 minutes and cannot be changed.

*2 In order to use the automatic power shut-off function, it is necessary to set it in advance.
The FX-950 is not equipped with the automatic power shut-off function.

Performance comparison table

		FX-950	FX-951
Analog/Digital type		Analog	Digital
Thermal setting lock		Lock key	Control card
Power-save function	Auto-power shut-off function	×	○
	Sleep function	○ Optional setting: 6min.	○ Arbitrary: 0 to 29 min.
Low temperature alarm function		×	○

Specifications

Model No.	FX-951	FX-950
Power Consumption	75W	
Temperature Range	200-450°C	
Temperature Stability	±5°C	

Station

Model No.	FX-951	FX-950
Output Voltage	24V	
Dimensions	80(W) x 130(H) x 131(D)mm	80(W) x 118(H) x 138(D)mm
Weight (w/o cord)	1.2kg	

Iron

Model No.	FM-2028
Power Consumption	70W (24V)
Tip to Ground Resistance	< 2Ω
Tip to Ground Potential	< 2mV
Cord	1.2m
Total Length (w/o cord)	188mm with 2.4D tip
Weight (w/o cord)	30g with 2.4D tip

Replacement Tips

Please refer to pages 16-17.

Replacement and Optional Parts

Part No.	Name/Description
FM2028-01	Soldering iron FM-2028 24V/70W w/yellow sleeve
FM2028-02	Soldering iron FM-2028 24V/70W w/blue sleeve
FH200-02	Iron holder FH-200 <cleaning sponge type>
FH101-02	Iron holder FH-101 <cleaning sponge type>
B3253	Connecting cable
A1536	Cleaning sponge/green
599B-02	HAKKO 599B tip cleaner
B2756	Tip tray
B3216	Sleeve assembly/yellow
B3217	Sleeve assembly/orange
B3218	Sleeve assembly/blue
B3219	Sleeve assembly/green

Sleeve Assembly



Four color sleeve assemblies are available. Workability increases if sleeves are changed according to the tip shape and job application.

Packing List

Model Name	Contents
HAKKO FX-951	Station 1
	Iron (FM-2028) 1
	Power cord 1
	Iron holder with cleaning sponge (No.FH200-02) 1
	Control card 1
	Heat resistant pad 1
HAKKO FX-950	Station 1
	Iron (FM-2028) 1
	Power cord 1
	Iron holder with cleaning sponge (No.FH101-02) 1
	Lock key 1
	Heat resistant pad 1

* Tips are optional parts.

Iron Holder

The unit can be used with HAKKO 599B instead of a cleaning sponge.



Tip Tray



No. B2756

For storage of tip

* Option
* Tips are not included.

N₂ System

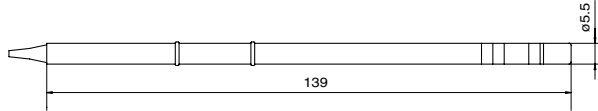

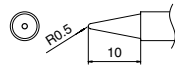
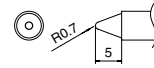
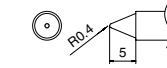
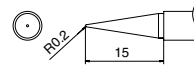
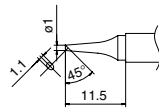
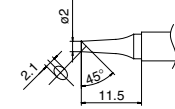
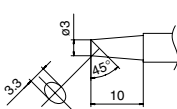
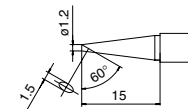
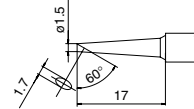
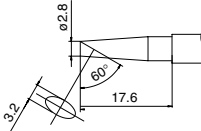
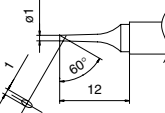
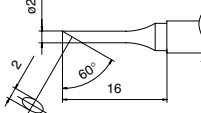
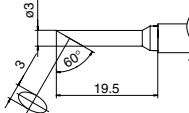
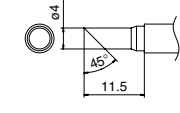
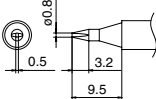
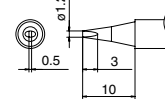
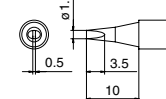
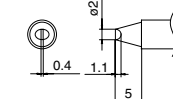
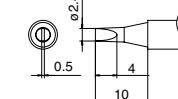
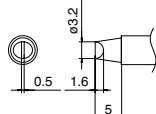
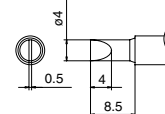
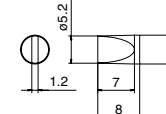
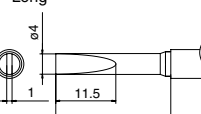
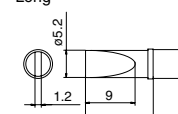
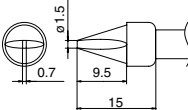
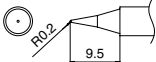
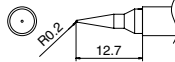
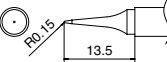
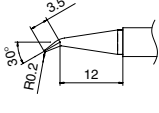
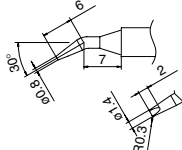
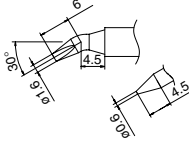
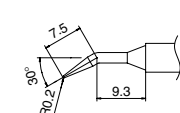
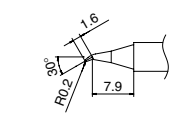


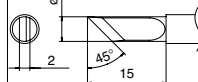

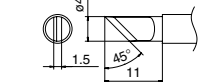
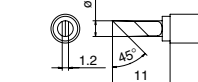
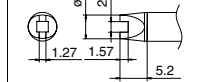
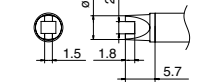
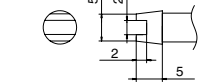
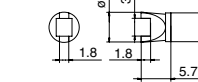
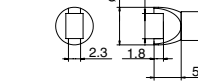
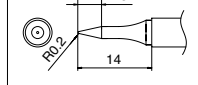
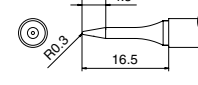
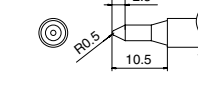
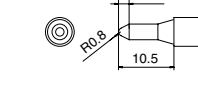
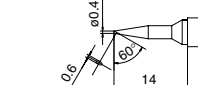
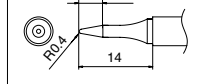
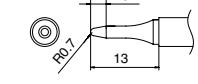
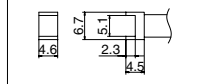
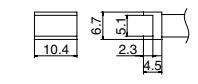
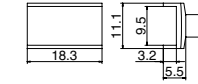
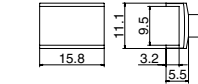
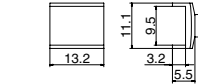
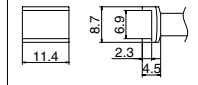
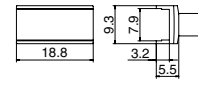
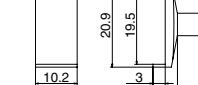
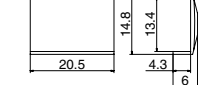
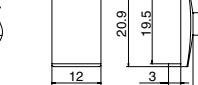
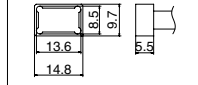
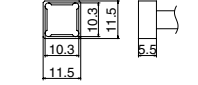
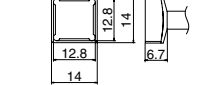
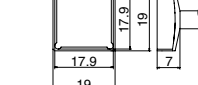
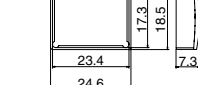
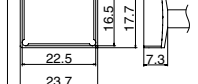
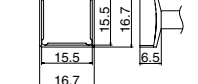
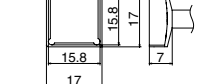
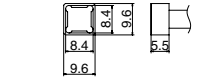
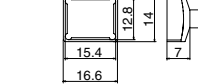
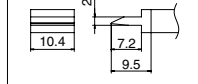
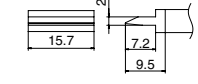
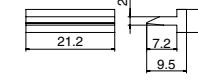
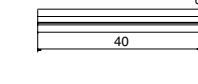
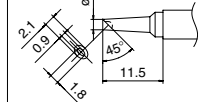
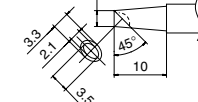
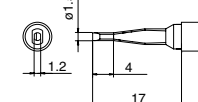
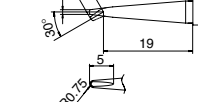
Setting examples with the N₂ system
HAKKO FX-951, HAKKO FM-2026,
HAKKO FX-780, HAKKO FX-791

* For further details, refer to pages 18-21.

Optional Tips

Unit : mm

										
SHAPE B	T15-B	Shape-B	T15-B2	Shape-0.5B	T15-B3	Shape-0.7B	T15-B4	Shape-0.4B	T15-BLL Long	Shape-BL
										
SHAPE BC	T15-BC1 T15-BCF1*	Shape-1BC	T15-BC2 T15-BCF2*	Shape-2BC	T15-BC3 T15-BCF3*	Shape-3BC	T15-BC12	Shape-1.2BC	T15-BC15	Shape-1.5BC
										
SHAPE C	T15-BC28	Shape-2.8BC								
										
SHAPE D	T15-C1	Shape-1C	T15-CF2*	Shape-2C	T15-CF3*	Shape-3C	T15-C4 T15-CF4*	Shape-4C		
										
SHAPE D	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 Long	Shape-4D	T15-DL52 Long	Shape-5.2D
										
	T15-XD15	Shape-1.5XD								
										
SHAPE I	T15-I	Shape-I	T15-IL	Shape-IL	T15-ILS	Shape-ILS				
										
SHAPE J	T15-JO2	Shape-0.2J	T15-JD14	Shape-1.4JD	T15-JD16	Shape-0.6JD	T15-JL02	Shape-0.2JL	T15-JS02	Shape-0.2JS
										

SHAPE K	T15-K	Shape-K	T15-KF	Shape-KF	T15-KL	Shape-KL	T15-KU	Shape-KU		
										
SHAPE R	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
										
SHAPE SB	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-0.4BS	T15-SBS07	Shape-0.7BS						
										
TUNNEL	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
										
QUAD	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
										
SPATULA	T15-1401**	Spatula 10.4	T15-1402**	Spatula 15.7	T15-1403**	Spatula 21.2	T15-1406**	Spatula 40		
										
SPECIAL APPLICATIONS TYPE	T15-BCM2***	Shape-2BC Bevel with indent	T15-BCM3***	Shape-3BC Bevel with indent	T15-1603**	Shape-Long reach chisel	T15-1605**	Shape-Long reach chisel		
										

* These tips are tinned on the soldering surface only.
** The iron tips marked with double asterisk (**) have a temperature accuracy of $\pm 25^{\circ}\text{C}$. Others have a temperature accuracy of $\pm 15^{\circ}\text{C}$.
*** T15-BCM2 and T15-BCM3 are not available for sale or use in the U.S.A.