

HAKKO FR-801 FR-802 FR-803B ESD SAFE

LEAD FREE ESD SAFE

For lead-free soldering with sufficiently high power HAKKO hot air lineup allows easier thermal control.



HAKKO FR-801 ESD SAFE Analog

The air outlet is provided with new mechanism to reduce the temperature irregularity in hot air.

- The air outlet is provided with a new mechanism to reduce the temperature irregularity. Supplies hot air at a stable temperature.
- Comes with an airflow meter to allow more accurate and easier control of flow rate.



New mechanism to reduce temperature irregularity



HAKKO FR-802 ESD SAFE Digital display

The digital thermal display allows easier temperature control.

- Comes with the offset function to compensate for difference of air outlet temperatures depending on the nozzle size.
- The power saving function (30 min./60 min./∞ can be selected) will automatically stop the hot airflow after a specific time passes.
- Comes with the auto cool-down function. If the power is turned off and then continues to supply air until the temperature in the nozzle pipe decreases down to 100°C to protect the heating element.
- Card lock function to lock the setting details.

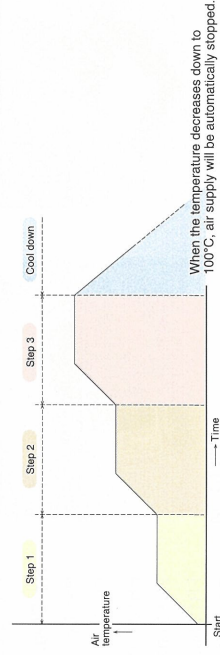


HAKKO FR-803B ESD SAFE Digital display with 50 memories/3 steps temperature profile

Preheating, main heating and cooling down 50 memories/3 steps temperature profile can be set.

- For more effective rework operation, it can be interfaced to the HAKKO FR-820.
- The heating conditions can be recreated due to the sensor feedback temperature control. 50 memories/3 steps temperature profile can be set, allowing easier control for temperature, flow rate and time. Highly accurate job can be standardized.
- The power saving function (30 min/60 min/∞ can be selected) will automatically stop the hot airflow after a specific time passes.
- Comes with an offset function.

3 steps Temperature Profile



3-step 'temperature and time' are pre-programmed. Sensor feedback temperature control is adopted.

Performance comparison table

	FR-801	FR-802	FR-803B
Basic Ability	<ul style="list-style-type: none"> The air outlet is provided with new mechanism. Comes with an airflow meter. Space-saving design ESD safe by design 		
Digital Function	<ul style="list-style-type: none"> Offset function Auto cool-down function Power-saving design Card-lock function 		
Ideal Function	<ul style="list-style-type: none"> 3-step temperature profile can be set. Comes with a vacuum pipe. 		

Specifications

Model No.	FR-801	FR-802	FR-803B
Power Consumption	100V-310W, 110V-360W, 120V-430W, 220V-570W, 230V-630W, 240V-680W		
Station			
Model No.	FR-801	FR-802	FR-803B
Power Consumption	30W (Stand-by power consumption 100-120V 4W, 220-240V 7W)	30W (Stand-by power consumption 100-120V 4W, 220-240V 4W)	
Capacity (Air blow)	5-20 l/min. (Max.)		
Temperature Range	100-500°C (Use A1130)	100-500°C (Sensor)	
Modes	-	-	Manual/Auto
Timer	-	-	50 memories/3 steps temperature profile
Dimensions	160(W) x 145(H) x 230(D)mm		
Weight (w/o cord)	4kg	4.3kg	5kg
Handpiece			
Power Consumption	100V-280W, 110V-330W, 120V-400W, 220V-540W, 230V-600W, 240V-650W		
Total Length (w/o hose)	185(L)mm	200(L)mm	
Weight (w/o hose)	115g	200g	

Packing List

Model Name	Contents
HAKKO FR-801	Station.....1
	Handpiece.....1
	Power cord.....1
	Handpiece holder.....1
	FP pick-up.....1
	FP pick-up wire (S).....1
HAKKO FR-802	FP pick-up wire (L).....1
	Station.....1
	Handpiece.....1
	Power cord.....1
	Handpiece holder.....1
	Control card.....1
HAKKO FR-803B	FP pick-up.....1
	FP pick-up wire (S).....1
	FP pick-up wire (L).....1
	Station.....1
	Handpiece.....1
	Power cord.....1
HAKKO FR-803B	Handpiece holder.....1
	Control card.....1
	Vacuum pipe control knob (L).....1
	Pad (ø3mm).....2
	Pad (ø5mm).....2
	Pad (ø7.6mm).....2

* Nozzle is an optional part.

Optional Nozzles

Please refer to page 50, 51.

SMD-BGA Repair System



Combination of HAKKO FR-803B and FR-820 allows the SMD and BGA rework equipment to set up at a lower price.

* For further details, refer to page 52.

Temperature Probe

Part No.	Name/Description
C1541	Temperature probe for hot air



For measuring the temperature of hot air.

* For further details, refer to page 37.