



# FR-810B

## SMD HOT AIR REWORK SYSTEM



The **HAKKO FR-810B SMD Hot Air Rework System** has a compact and lightweight design (only 3.3 lbs.) and features a quiet, self-contained turbine air supply and built-in SMD vacuum pickup. The new heating element design improves durability, provides a top end temperature of 600 °C (1120 °F). New N51 Series quick-change nozzles allow for tool-free installation and removal, and the integrated holder provides automatic safety cool down when the handpiece is not in use.



### FEATURES & BENEFITS

- Easy to read digital display for both temperature and air level
- Slender handpiece with integrated vacuum pick-up indicator that indicates when the component has been lifted from the PC Board
- The ability to store up to 5 user programmable presets for temperature, airflow and time
- New Chain Presets feature that allows the operator to link up to 5 presets to run in sequence, simulating a 5-heating zone reflow profile for SMD components
- Auto Sleep & Shut-off features
- Maximum airflow of 115 L/min
- Can be used with existing HAKKO Hot Air Nozzles
- Password Lockout to prevent unauthorized setup changes
- Optional stand-alone holder with safety shield



### SPECIFICATIONS For Part No. FR810B-05

<b>Nozzle Series</b>	N51 Series <a href="#">see page 78</a> & existing HAKKO Hot Air Nozzles <a href="#">see page 79</a> (Nozzles Sold Separately)
<b>Power Consumption</b>	820 W
<b>Airflow Source</b>	Turbine
<b>Airflow Capacity<sup>1</sup></b>	5 - 115 L/min
<b>Airflow Setting Range<sup>†</sup></b>	1 to 9 (5 - 115 L/min)
<b>Temperature Range<sup>2</sup></b>	120 °F - 1120 °F / 50 °C - 600 °C
<b>Dimensions (W x H x D)</b>	6.3 x 5.7 x 8.7 in. / 160 x 145 x 220 mm
<b>Heater Power Consumption</b>	790 W
<b>ESD Safe</b>	Yes



### CONTENTS For Part No. FR810B-05

Part No.	Description	Part No.
<b>FR810B-05</b>	FR-810B hot air rework station	--
	Heat resistant pad	B2300
	Large vacuum pipe knob (with screw)	B3023
	Handpiece holder	B5048
	Power cord	B5054
	Pad 3.0 mm (2 pcs)	A1520
	Pad 5.0 mm (2 pcs)	A1439
	Pad 7.6 mm (2 pcs)	A1438
	Instruction manual	--



FR-810B with C5027, optional board holder and C5028, fixture system



Vacuum Pick-up Indicator

<sup>†</sup> Values for airflow are approximate. Actual volume of airflow may be affected by the size and shape of the nozzle used.

<sup>1</sup> Airflow capacity is rated as free flowing. Restrictions created by various nozzles may reduce the maximum airflow capacity.

<sup>2</sup> Under certain airflow and temperature conditions, the station may not attain the maximum allowable temperature selection.

REWORK



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