

FR-810B



Station with handpiece, Nozzle (Ø4 mm), Handpiece holder, Vacuum pipe control knob L (with screw), Pads (qty 2 each of Ø3 mm, Ø5 mm, Ø7.6 mm), Heat resistant pad, Power cord, Temperature distribution chart, Instruction manual



U.S.A. AMERICAN HAKKO PRODUCTS, INC.

28920 AVENUE WILLIAMS VALENCIA, CA 91355, U.S.A. TEL: (661) 294-0090 FAX: (661) 294-0096 Toll Free (800)88-HAKKO http://www.hakkousa.com

HEAD OFFICE 4-5, SHIOKUSA 2-CHOME, NANIWA-KU, OSAKA, 556-0024 JAPAN TEL:+81-6-6561-3225 FAX:+81-6-6561-8466 http://www.hakko.com E-mail:sales@hakko.com

HONG KONG HAKKO DEVELOPMENT CO., LTD. ROOM 1504, EASTERN HARBOUR CENTRE, 28 HOI CHAK STREET, QUARRY BAY, HONG KONG. TEL: 2811-5588 EAX: 2590-0217 http://www.hakko.com.hk E-mail:info@hakko.com.hk

SINGAPORE HAKKO PRODUCTS PTE LTD 1, GENTING LINK #02-04 PERFECT ONE, SINGAPORE 349518 TEL: 6748-2277 FAX: 6744-0033 p://www.hakko.com.sg mail:sales@hakko.com.sg

* Total length and weight exclude cord.

Specifications

50 to 600°C

1.5 ka

250 mm

180 g

1 to 9 (5 to 115 L/min.)

Ø4 mm (Part No. N51-02)

* Airflow values shown above are only as reference. Airflow range may vary

160 (W) x 145 (H) x 220 (D) mm

Power consumption

Temperatur range

Power consumption 30 W

Station

Air flow

Weight

Dimensions

Handpiece

Standard nozzle

Total length

Weight

Power consumption

depending on nozzles.

Please access to the following for the other sales affiliates and distributors. http://www.hakko.com

ifications and design are subject to change without notice. Copyright HAKKO Corporation. All right reserved. C is registered in countries and regions including the following. Japan, USA, South Korea, Singapore, China, the member of CTM.



HAKOFR-810B

High power and large air volume Further evolution of SMD rework station

The vacuum pick-up function with an indicator ensures safety for the components and PWB's.

700 W (100 V), 840 W (110 V), 820 W (120 V),

670 W (100 V), 810 W (110 V), 790 W (120 V),

1070 W (220 V), 1170 W (230 V), 1270 W (240 V)

1100 W (220 V), 1200 W (230 V), 1300 W (240 V)

CA00487EaYa001 2016.6

Desoldering / Rework SMD Rework System Hot Air







Improvements of FR-810B

On top of the features of FR-810, high power and large air volume, the new functions of vacuum pickup and pickup indicator have been given to FR-810B. The 2 new functions make it possible to remove a component without damaging PWB.

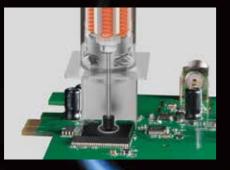
Pickup indicator

By pre-setting pickup function, a component can be picked up automatically when solder is melted. At the same time, the indication comes up and the moment of picking up will be visible. Even a component and solder joints can not be seen as covered by a nozzle, easy and safe picking up is possible.



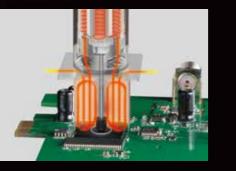
Vacuum pickup function

The vacuum pickup function is to pick up a component with a suction pad and vacuum. It will pick a component only after the hot air melts solder joints. This can avoid an error to peel off the land by removing a component with excessive force.



New type of nozzles for improving temperature characteristics

The new nozzles improve work efficiency with uniform heating by hot air convection inside the nozzle which is created due to vents on the nozzle top. (Only with BGA nozzles)



One-touch nozzle replacement

Nozzles can be quickly changed for many different types of components.

In addition, conventional nozzles are compatible. Heaters can also be easily and securely replaced.



High power and large volume hot air for quick removal of components

A tool that can provide powerful hot airflow for repairing high heat capacity circuit boards that require high blow volume and high output, and sufficient hot airflow for appropriate blow volume and high output for high-density mounting substrates.



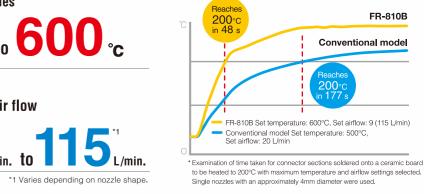
Hottest and most powerful in our hot air series





Turbo fan for large volume air flow







Timer function

Timer function is to control th
the overall quality of rework.

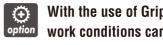
Č	CI
Procot	The

and making difficult rework jobs easy.

	Preset 1		Preset 2		Preset 3		Prese
Temperature (°C) Time (s) Airflow	250. 100.	•	300. 100.	•	350. 100.	•	40 10
(level)	<u> </u>	(<u> </u>	,	<u> </u>		

Slee off Auto sleep and auto shutoff features

To ensure safety and conserve power, when the handpiece is placed in the handpiece holder, the auto sleep function will be activated and it will start cooling automatically. If the handpiece has not been removed from the handpiece holder (e.g. Using it in a rework fixture) and it has been idle for 30 minutes, auto shutoff function will be activated. It will be automatically powered off. Access to settings can be restricted by the password function.



Set-up example





I WORKS

Efficiency improvement

The high volume airflow and high output of FR-810B make it possible to perform the same work in only one-third of the time required when using a conventional model. This reduces the thermal impact on boards and components.

the time of operation. This can help to prevent parts from overheating and can improve

hain presets function for making a simple thermal profile

e chain presets function is to make a simple thermal profile by combining several preset conditions. (Up to 5 steps) This can improve work efficiency a lot by standardizing work time, avoiding overheating, improving repeatability of operation,



250	100	6
		U
300	40	6
350	50	6
100	000	6
100	000	6
	350 100 100	350 50 100 000

ts 4 and 5 have been set to "000", so they are skipped.

With the use of Grip fixture, Board holder and Bottom heater, work conditions can be controlled even more strictly.

A low cost rework system can be assembled with a bottom heater, a grip fixture, and a board holder.



Grip Fixture M

Recommended if a botton heater is not required or in case of use of a bottom heater other than the dedicated model for FR-811.



Board Clip

ccepts even regular-shaped PWB





Board Holder

Makes it easy to set and remove a PWB and to make fine adjustments after setting.

Part No. C5027

Board Support Unit

Supports PWB from nderneath to minimize its varping.

art No. B5098

Part No. B5136

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Hakko manufacturer:

Other Similar products are found below :

 A1006
 FT8002-01
 PTG-2T1G0008
 HFJ11-1G06ERL
 HFJ12-E2450ER-L11RL
 B3048
 TG110-S101N6RL
 FM204-15
 N1-L10
 T12-BC1

 N51-05
 FT8003
 G3-1601
 T31-01JS02
 T33-BC4
 T33-D24
 N50B-05
 950-CK
 A1013
 A1067
 A1130
 A1187B
 A1230
 A1379
 A1389

 B1309
 B1631
 B1787
 C1392B
 B2004
 FT300
 918-T-1.6D/P
 C1148B/P
 111-SA
 T15-1006
 T15-1202
 N3-23
 T22-D32
 T15-BC2
 B5045

 B5046
 N60-03
 N60-05
 N60-07
 N60-09
 T12-1612
 A1003
 HFJ11-1G11E-L11RL
 B3474
 N1-20