



Analog-type Hot Air Rework System



Features

For repair of surface-mounting P.W.B.

- Outlet nozzle featuring new mechanism
 - Consistent temperature of hot air is allowed by new mechanism.



勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

- Featuring airflow meter
 - Easy to control the airflow volume visually.
- Automatic cool-down function
 - To avoid the heater damage, the cooling begins automatically when the power to the heater is shut off. The air stops blowing after cool-down.
- Compact design
- ESD safe by design.

Packing List

Part No.	Packing List
No.FR801	Main Unit (HAKKO FR-801 Station), Handpiece Holder, Power Cord, FP Pick-up, FP Pick-up Wire (S / L), Instruction Manual: 1pc each

NOTE: This product does not include a nozzle. When purchasing this product, be sure to order a nozzle suitable for the work.

Specifications

Power Consumption	100V-310W, 110V-360W, 120V-430W, 220V-570W, 230V-630W, 240V-680W
Capacity	5 to 20L/min (Max.)
Hot Air Temperature	100 to 420 °C (Use A1126)
Outer Dimensions (Station)	160(W) x 145(H) x 230(D)mm
Length (Handpiece)	185(L) mm (w/o cord)
Weight (Station)	4kg
Weight (Handpiece)	115g (w/o cord)

Replacement Parts

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Replacement Parts

Part No.	Name
B1438	FP Pick-up (with two wires)
B1439	FP Pick-up Wire (S)
B1440	FP Pick-up Wire (L)

Optional nozzles for Hakko 850/850B/852/FR-801/FR-802/FR-803

Unit : mm

***Nozzles**
 NOTE
 The size in Name/Specifications indicates the size of IC package.

***When attaching the nozzle to the Hakko 852**

No.	C 0.8 D 1.6 A1125B-A1126B A1131-A1141B A1180B-A1180B A1203B-A1206B	C 1.0 D 2.0 A1191	C 0.8 D 2.0 A1192
QFP			
SOP			
PLCC			
SOJ			

***VACUUM FUNCTION OPERA** ***TIVE NOZZLES.** ***When attaching the nozzle to the Hakko 852**

A1125B QFP 10 ϕ 10 A : 10.2 B : 10.2	A1126B QFP 14 ϕ 14 A : 15.2 B : 15.2	A1127B QFP 17.5 ϕ 17.5 A : 19.2 B : 19.2	A1128B QFP 14 ϕ 20 A : 15.2 B : 21.2	A1129B QFP 25 ϕ 28 A : 29.7 B : 29.7	A1135B PLCC 17.5 ϕ 17.5 (44pins) A : 18.5 B : 18.5
A1136B PLCC 20 ϕ 20 (52pins) A : 21 B : 21	A1137B PLCC 25 ϕ 25 (68pins) A : 26 B : 26	A1138B PLCC 30 ϕ 30 (84pins) A : 31 B : 31	A1139B PLCC 12.5 ϕ 7.3 (18pins) A : 9 B : 14	A1140B PLCC 11.5 ϕ 11.5 (28pins) A : 13 B : 13	A1141B PLCC 11.5 ϕ 14 (32pins) A : 15 B : 13
A1180B BQFP 17 \times 17 A : 18.2 B : 18.2	A1181B BQFP 19 \times 19 A : 19.2 B : 19.2	A1182B BQFP 24 \times 24 A : 24.2 B : 24.2	A1184B SOJ 18 \times 8 A : 19 B : 10	A1185B TSOL 13 \times 10 A : 11.9 B : 10	A1186B TSOL 18 \times 10 A : 11.7 B : 18.2
A1187B TSOL 18.5 ϕ 8 A : 18.5 B : 10	A1188B PLCC 9 \times 9 (20pins) A : 11 B : 11	A1189B PLCC 34 \times 34 (100pins) A : 36.5 B : 36.5	A1203B QFP 35 \times 35 A : 35.2 B : 35.2	A1214B SOJ 10 \times 28 A : 25.9 B : 12	A1215B QFP 42.5 \times 42.5 A : 42.5 B : 42.5
A1257B SOP 11 ϕ 21 A : 21 B : 11.7	A1258B SOP 7.5 ϕ 12.7 A : 11.7 B : 8.2	A1259B SOP 13 ϕ 28 A : 29 B : 13.5	A1260B SOP 8.6 ϕ 18 A : 19 B : 8.7	A1261B QFP 20 ϕ 20 A : 20.2 B : 20.2	A1262B QFP 12 ϕ 12 A : 12.2 B : 12.2
A1263B QFP 28 ϕ 40 A : 27.7 B : 39.7	A1264B QFP 40 ϕ 40 A : 40.2 B : 40.2	A1265B QFP 32 ϕ 32 A : 32.2 B : 32.2	A1470 BGA 8 \times 8用 A : 9 B : 9	A1471 BGA 12 \times 12用 A : 13 B : 13	A1472 BGA 13 \times 13用 A : 14 B : 14
A1473 BGA 15 \times 15 A : 16 B : 16	A1474 BGA 18 \times 18 A : 19 B : 19	A1475 BGA 27 \times 27 A : 28 B : 28	A1476 BGA 35 \times 35 A : 36 B : 36	A1477 BGA 38 \times 38 A : 39 B : 39	A1478 BGA 40 \times 40 A : 41 B : 41

***VACUUM FUNCTION INOPERA** ***TIVE NOZZLES.** ***When attaching the nozzle to the Hakko 852, FR-803**

A1124B Single 2.5 \angle 2.5 (LD)	A1130 Single 4.4 \angle 4.4 (LD)	A1131 SOP 4.4 ϕ 10 A : 10 B : 5.7	A1132 SOP 5.6 ϕ 13 A : 15 B : 5.7	A1133 SOP 7.5 ϕ 15 A : 16 B : 7.2	A1134 SOP 7.5 ϕ 18 A : 19 B : 7.2
A1142B Bent Single 1.5 ϕ 3 \angle 1.5 (LD) \angle 1.5 (LD)	A1183 SOJ 15 \times 8 A : 16 B : 8	A1190 Dual Single 2.5 \times 9.5 Pitch \angle 2.5 (LD)	A1191 SP 25L A : 25 B : 2	A1192 SP 50L A : 52.5 B : 2	A1325Dual Single 1.5 ϕ 5 - 10 Adjustable Pitch The pitch between the two nozzles is adjustable. \angle 1.5 (LD)



HAKKO FR-801

SMD REWORK STATION

SMDリワークステーション

扁平集成电路拔放臺

SMD Rework Station

温度分布表 温度分布圖表 TEMPERATURE DISTRIBUTION CHART

△ 注意

- グラフは参考用値であり、規格値ではありません。
- サーマルプロテクターが働く場合は温度設定を下げるか、風量を上げるように調節してください。
- FR-801をご使用の際にはノズル別温度分布表を参考にしてください。
- FR-801はハッコー850及びハッコー850Bとは異なります。よって、温度分布表も異なりますので、ご注意ください。
- 測定条件：ノズル先端より1mmの位置で記録計により測定。
- () 内は温度特性同等品です。

△ 注意

- 温度分布圖表使用于参考，并不是規格值。
- 熱度保護器起動時，請將溫度降低或將風量提高以做調節。
- 使用FR-801時，請參考不同噴嘴的溫度分布圖表。
- FR-801与HAKKO 850及850B不同，溫度分布圖表也不同，請注意。

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- 測量條件:距離噴氣嘴3毫米處測量。
- 噴嘴番號下面的()內，是溫度特性的同等品。

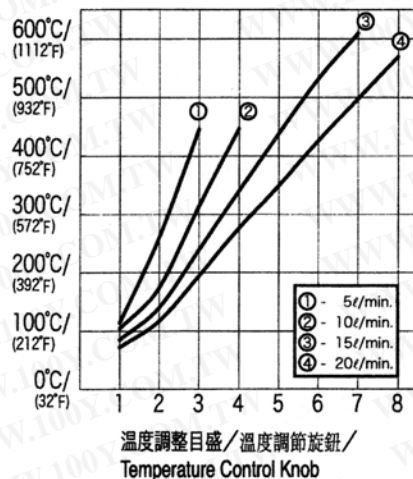
△ CAUTION

- These charts do not define the temperature characteristics, and are for reference only. If the thermal protector trips, reduce the temperature setting or increase the air flow.
- The temperature distribution charts for HAKKO 850 or 850B should not be used for FR-801. FR-801 uses a different pump and control system. When you use the FR-801, make sure to refer to the temperature distribution charts shown to the right.

- Test condition: Measured at a point 1mm (0.04 in.) from the nozzle by recorder.
- Nozzles of which part names are parenthesized have equivalent temperature characteristics.

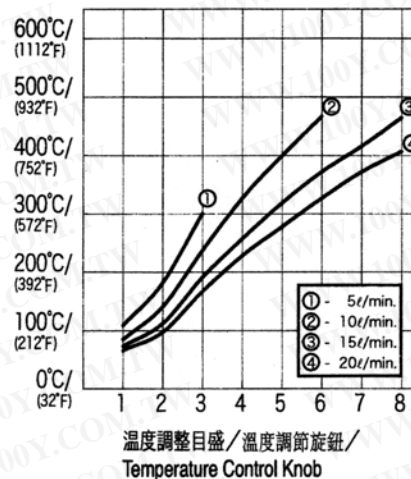
A1124B (A1142B)

温度/溫度/Temp.



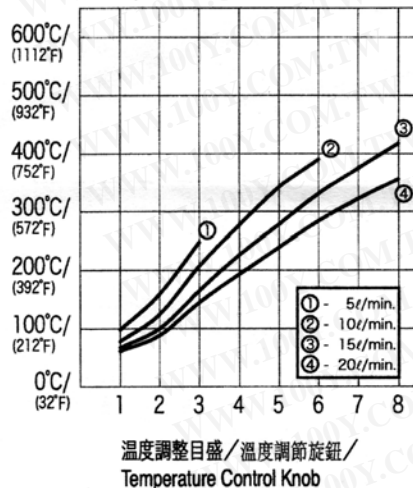
A1125B (A1139B)

温度/溫度/Temp.



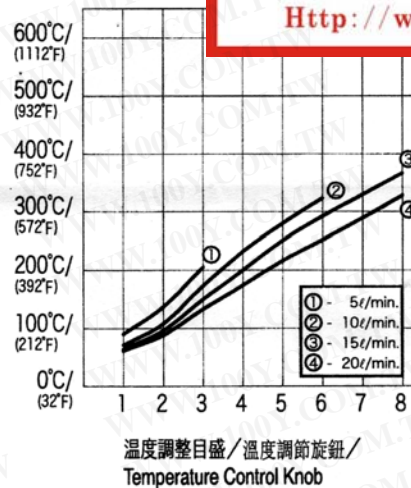
A1128B

温度/溫度/Temp.



A1129B (A1138B, A1265B)

温度/溫度/Temp.

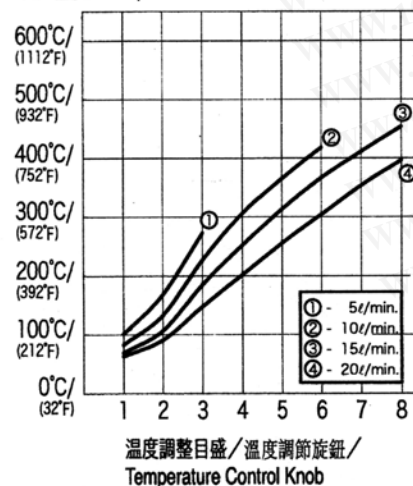


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A1257B

(A1184B, A1186B, A1188B, A1214B,
A1259B, A1260B, A1133, A1134, A1191,
A1325)

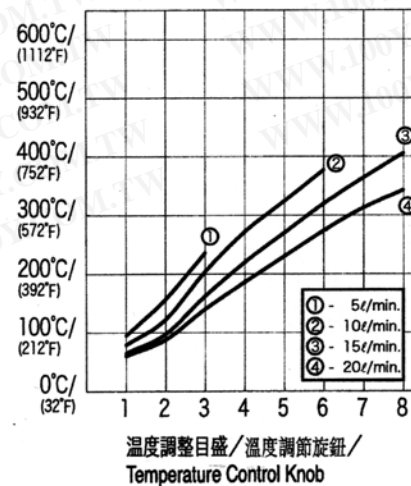
温度/溫度/Temp.



A1261B

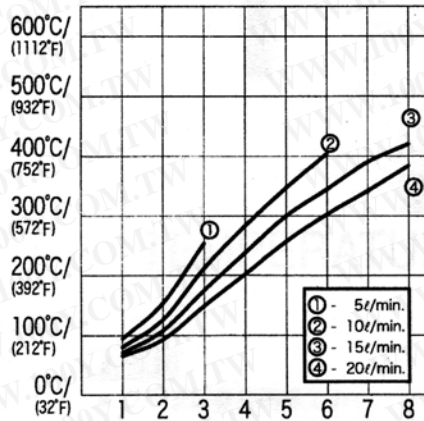
(A1137B, A1182B, A1192)

温度/溫度/Temp.



A1126B (A1180B)

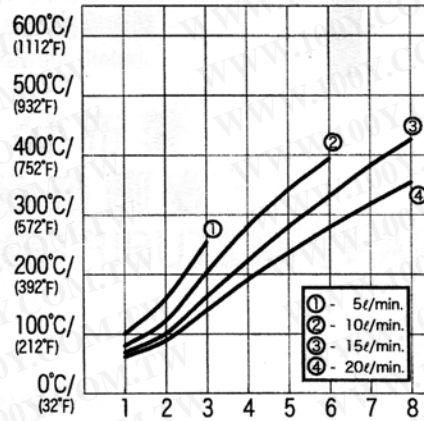
温度/溫度/Temp.



温度調整目盛/溫度調節旋鈕/
Temperature Control Knob

A1127B (A1135B, A1136B, A1181B)

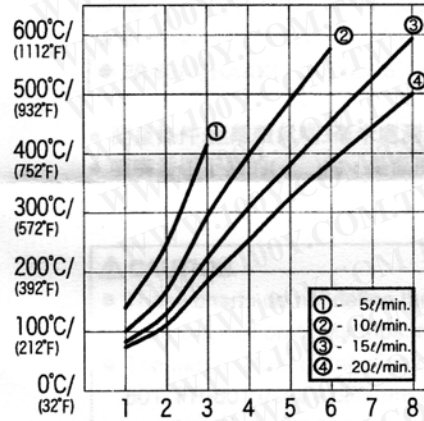
温度/溫度/Temp.



温度調整目盛/溫度調節旋鈕/
Temperature Control Knob

A1130

温度/溫度/Temp.

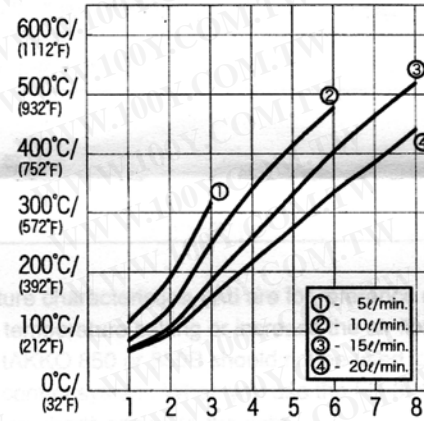


温度調整目盛/溫度調節旋鈕/
Temperature Control Knob

A1131

(A1132, A1183, A1190, A1185B, A1187B, A1258B)

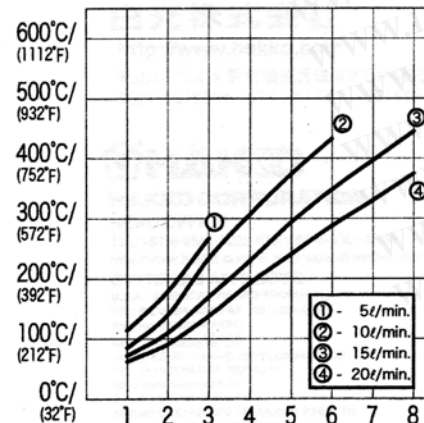
温度/溫度/Temp.



温度調整目盛/溫度調節旋鈕/
Temperature Control Knob

A1262B (A1140B, A1141B)

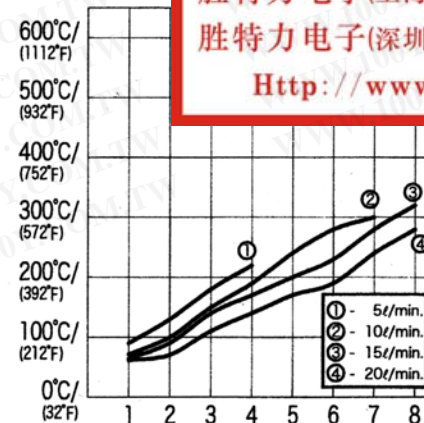
温度/溫度/Temp.



温度調整目盛/溫度調節旋鈕/
Temperature Control Knob

A1264B (A1189B, A1203B, A1215B, A1263B)

温度/溫度/Temp.



温度調整目盛/溫度調節旋鈕/
Temperature Control Knob

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