

HAKKO FR-820 ESD SAFE



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)

● Features

Preheater suitable for lead-free soldering and multi-layer board preheating

- ❖ Combined with [HAKKO FR-803B](#) (SMD Rework Station)
- ❖ Easy attachment with connecting cord which is included in [HAKKO FR-803B](#)
 - Upgraded working efficiency by heating parts from top and bottom
 - Operating FR-820 with buttons of [HAKKO FR-803B](#)
(Start Ventilating/Cooling Down by pressing [HOT AIR](#) button on Handpiece of FR-803B)
 - Automatically cool down after turning off the power
- ❖ Temperature regulating function
 - Temperature range 150-300°C (302-572°F)
 - CAL enables fine adjustment of temperature.
 - Great temperature stability.
- ❖ Excellent heat recovery
 - Shorter startup time compared to existing preheater. ([Refer to the graph.](#))
 - New heater structure reduces variations in temperature.
- ❖ Automatic cool-down function mounted.
 - Pushing the "START/STOP" button at the end of work automatically activates the cool-down function. The cool-down continues for approximately 90 seconds at 85°C.
- ❖ New design
 - Compact, lightweight, and slightly larger hot air outlet

Approximately 600g



❖ Various types of optional functions

- Local heating enabled.

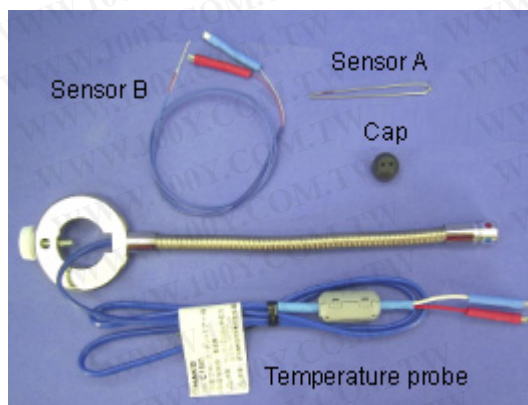
[A set of \[Extension pipe w/ Lid\] is available.](#)

❖ Various types of switching!

[\[Hand switch\]\[Foot switch\] can be connected.](#)

❖ Controlling the temperatures of Hot Air Rework System and workpiece using the Temperature Probe

Measure temperatures of Hot Air Rework System and workpiece using the Temperature Probe for Hot Air Rework System (No. C1541) and thermometer ([HAKKO FG-100/HAKKO FG-100](#)) to protect the workpiece.



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[Replacement parts for Temperature Probe for Hot Air Rework System\(No. C1541\)](#)

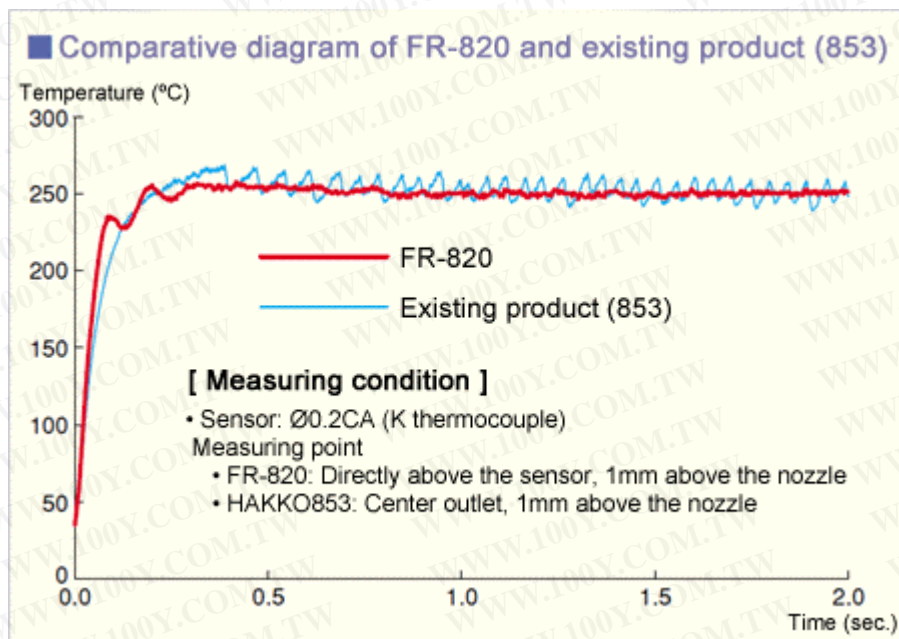
[How to Use the Temperature Probe for Hot Air Rework System\(No. C1541\)](#)

Measuring example



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Graph



Packing List





Model No.	Packing List
HAKKO FR-820	HAKKO FR-820, Power cord, Instruction manual

● Specifications

Power	AC100V 50/60Hz
Power Consumption	330W
Control Temperature	150-300°C(302-572°F) at nozzle (Sensor)
Outer Dimensions	140(W) x 70*(H) x 140(D)mm
Weight	600g
Volume of Air	0.18m ³ /min

* Height(H) is the distance from the bottom of the foot to the top of the hot air outlet.

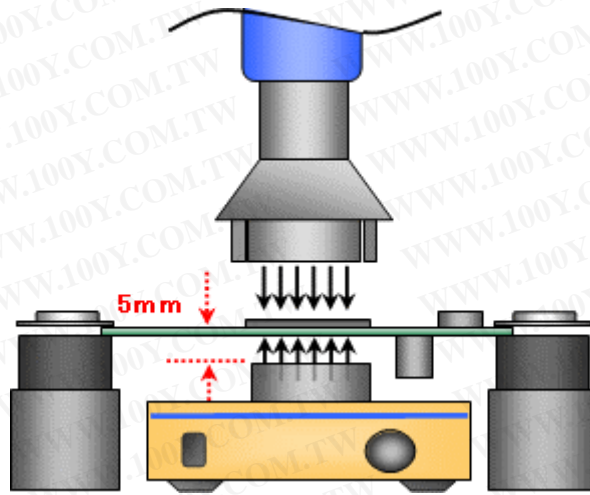
● Option

Part No.	Name	Specification
B3263	Extension pipe w/LID	
	 Do not operate HAKKO FR-820 while the LID is put on the extension pipe. It causes malfunction.	
B2763	Hand switch	
B1649	Foot switch	

● Operation & Example of Use

Please keep a gap between the hot air outlet and the PWB for more than

5mm to allow the air to flow. When there is not enough space for the air to flow, the fuse may blow up.



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