

Small size Pre-heater



Do you suffer from insufficient heating due to lead-free soldering and multilayered P.W.B.?

Redesigned small-sized preheater for local heating

Greatly increased heating power!

HAKKO FR-830 **ESD SAFE**
PREHEATER

Small-sized preheater compatible with lead-free soldering



Features

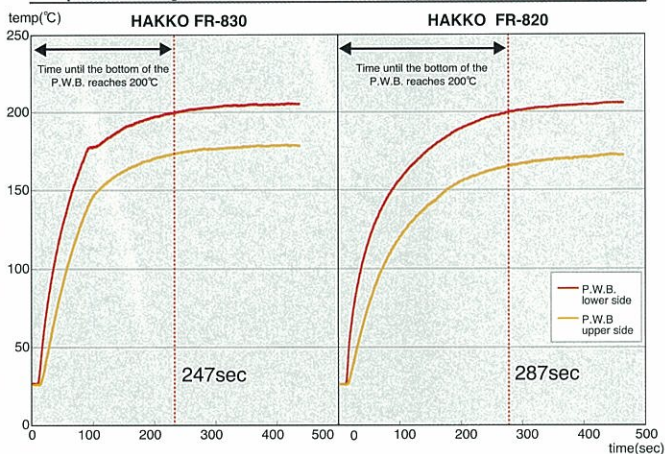
- Safe design to protect the heating elements and P.W.B. of the unit
- Equipped with automatic cool-down function
- Space-saving compact design

Specifications

Power Consumption	100V-210W, 110V-240W, 120V-470W 220V-230W, 230V-250W, 240V-270W
Control Temperature	150 - 300°C (above the hot air outlet)
Dimensions	140(W) X 75*(H) X 185(D) mm
Weight	750 g
Air Flow	0.15m³/min (fan capability)

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

Temperature change of the P.W.B when the set temp is 300°C with FR-820&FR-830.



With the FR-830, improvements in the air outlet structure enables heat to be applied more effectively than the previous model (FR-820), reducing the time needed to heat the P.W.B.

* Refer to the graph shown above.

[Test criteria]

Setting temperature : 300°C
Distance between air outlet and P.W.B.: 10mm
Temperature measured using sensors mounted on both the top and bottom surfaces of the P.W.B.

Easy SMD-BGA repair system set up at low cost

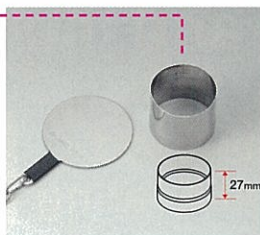
Can be set up the simple system with your choice, using SMD Rework Station series combining Thermometer.



Setting example:FR-803B, C1390C (Omnivise), C1392B (Rework fixture), FG-100 and C1541 (Temperature probe) with FR-830

Optional Parts

For more convenient work environment.



No.B3263 Extension pipe w/Lid



No.B2763 Hand switch



No.B1649 Foot switch

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