



# FR-870B

## 2-BANK IR PREHEATER



The **HAKKO FR-870B 2-Bank IR Preheater** bench-top board heater is designed to elevate the temperature of the printed circuit board assemblies so that components on them can be easily soldered and desoldered. This tool is particularly useful when soldering Pb-free assemblies.



### FEATURES & BENEFITS

- 9.8 x 5.5 in. PCB capacity
- Soft EPO to protect assemblies
- Integrates with HAKKO FM-206
- Manual or automatic modes of operation
- Preheat control by power or thermocouple
- 2 independent switchable zones
- Small footprint and low profile
- Ramp rate control settings of 34, 36, or 37 °F / sec.
- Faster than ceramic IR preheating



### SPECIFICATIONS For Part No. FR870B-04

|                                       |  |
|---------------------------------------|--|
| <b>Voltage</b>                        | 120 VAC  |
| <b>Power Consumption</b>              | 730 W  |
| <b>Heater Array</b>                   | Carbon filament lamp X 6   |
| <b>Thermocouple Input</b>             | K-type   |
| <b>Power Range</b>                    | 0 - 100% (1% increments)   |
| <b>Temperature Range</b>              | 120 °F - 392 °F / 50 °C - 200 °C   |
| <b>Ramp Rate Select</b>               | 34, 36, or 37 °F/sec   |
| <b>Timer Range</b>                    | 0 - 999 seconds  |
| <b>Operating Modes</b>                | Manual - Power<br>Manual - Thermocouple<br>Automatic - Power<br>Automatic - Thermocouple |
| <b>Heating Control</b>                | Thermocouple: PID control  |
| <b>Dimensions (W x H x D)</b>         | 11.7 x 3.9 x 12.2 in / 296 x 100 x 311 mm  |
| <b>Board Capacity (W x D)</b>         | 9.8 x 5.5 in. / 248 x 140 mm   |
| <b>Effective Heating Area (W x D)</b> | 7.5 x 3.2 in. / 190 x 80 mm  |
| <b>Zones</b>                          | 2  |
| <b>External Connections</b>           | 1 — integrate with the FM-206  |

### FR-870B 2-BANK IR PREHEATER

P/N: FR870B-04

**POWER CORD**  
P/N: B2419

**THERMOCOUPLE**  
P/N: B3516

**SPARE HEATING LAMP**  
P/N: A5003



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| Part No.     | Description              |
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| <b>A5003</b> | Spare heating lamp       |
| <b>B3516</b> | Thermocouple             |
| <b>B2419</b> | Power cord               |
| --           | Instructional manual     |

Optional Part:  
Connecting Cable for FM-206, P/N: B3686

