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American Hakko Products, Inc.

# PRODUCT BULLETIN

**Bulletin No:** PB290

**Issue Date:** 7-10-2009

**Product Description:**

Hakko FR-860 Preheat Plate

**Part No:**

FR860-01x – Small Preheat Plate

FR860-02x – Large Preheat Plate (pictured)

x – Specify F for Fahrenheit or C for Celsius



**Specification:**

| Part No.                                    | FR860-01x                                  | FR860-02x                                  |
|---|--|--|
| Power Consumption                           | 400W 120VAC 60Hz                           | 600W 120VAC 60Hz                           |
| Temperature Range                           | RT – 260°C (RT – 500°F)                    |  |
| Temperature Stability                       | ±5°C / 9°F                                 |  |
| Temperature Control                         | Industrial Microprocessor                  |  |
| Temp. Control Modes                         | Plate or External Thermocouple             |  |
| Thermocouple Inputs                         | 1 – Type K                                 |  |
| Heating Surface Dimensions (W x D)          | 102 x 178 mm<br>(4.0 x 7.0 in.)            | 178 x 178 mm<br>(7.0 x 7.0 in.)            |
| Overall Dimensions (Plate) (W x H x D)      | 175 x 79 x 204 mm<br>(6.9 x 3.1 x 8.0 in.) | 250 x 79 x 204 mm<br>(9.8 x 3.1 x 8.0 in.) |
| Overall Dimensions (Controller) (W x H x D) | 100 x 66 x 169 mm<br>(3.9 x 2.6 x 6.7 in.) |  |
| Weight (w/o Cord)                           | 3.0 kg (5.9 lbs.)                          | 3.5 kg (7.9 lbs.)                          |

RT – Room Temperature

**Comments:**

The Hakko FR-860 Preheat Plate provides fast, even preheat for PCB assemblies that have been bonded or are otherwise attached to solid metal surfaces such as heavy metal heat sinks, shielding, or microwave filter chassis, making them difficult to rework. The industrial microprocessor temperature control uses closed-loop feedback from either the plate or from a remote thermocouple. The split plate/controller design allows for minimal use of bench space and the low profile allows for use under microscopes.

FR-860 Preheat Plate

<http://www.hakkousa.com/products.asp?CID=51,330>

For more information on the Hakko FR-860 Preheat Plate please visit our website at [www.HakkoUSA.com](http://www.HakkoUSA.com).

**Available:**

July 10, 2009

For additional information:

- End-User Customers – Call Customer Support at 1-800-88-HAKKO (42556)
- Authorized Distributors – Call Distributor Support at 661-294-0090

From...

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