

ULTRAHEAT SB

2-3kW/700kHz-1MHz

EFFICIENT POWER FOR HEATING SOLUTIONS



BENEFITS OF INDUCTION HEATING

- Improved energy efficiency
- Higher degree of controllability
- Increased repeatability
- Low maintenance requirements
- Increased productivity
- Precise heating with no open flame

High Frequency induction heating, from 700 kHz – 1 MHz for soldering and brazing small components and parts such as circuit board connectors, RF Connectors, and cable end connectors

Advanced, cost-effective power supplies utilizing the latest switching power supply technology

Adaptive digital phase control providing very efficient operation in a wide frequency range

Reliable, modular system, easy to maintain and service

Configured to operate with remote Heat Stations

Durable design, loaded with safety and diagnostics features

Serial Communication link to a PC based software (optional)

APPLICATIONS

Brazing and of small components, Heat Soldering Treatment

HEADQUARTERS:

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FEATURES

- High Frequency Induction Heater, capable of delivering full power in the 700kHz – 1 MHz frequency range
- Output regulation – Voltage, Power, Current
- Limits Setting – Current, Output Volts, Power
- Compact water cooled power supply
- Operator controls – Selectable: Automatic, Remote or Local
- RS232/485 interface for remote computer monitoring, control and diagnostics
- Output isolation transformer for load matching of a wide range of loads and coils
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- Power control from 10 to 100% in 1% increments
- 5 programs with 9 programmable parameters
- 0-10V or 4-20mA external control and remote Start/Stop operation

Optional Equipment

	Description
Custom Coil	Custom Coil designed and manufactured for customer's application
WCA-1500-02	Water Cooling System 4.4kW, 230VAC, 1phase
FS-01	Foot Switch Assembly
Temp System	Temperature Monitoring and Control Systems

SPECIFICATIONS

Power Supply Model

	UPT-SB3
Output Power, kW	3
Frequency, kHz	700-1000
AC Line, Volts (50/60Hz)	230 ±10%
Line Phases	1
Weight, Lb (kg)	33 (15)
Dimensions Inch (cm) WxDxH	14.2 x 17.8 x 8.8 35.9 x 45.2 x 22.2
Compatible Heat Stations	HSB-3
Cooling System	Water

Heat Station Model

	HSB-3
Cable Length between Power Supply and Heat Station: Std / Max Ft (cm)	5 (152) / 20 (610)
Dimensions, Inch (cm) WxDxH	3.5 x 9.7 x 4.5 8.7 x 24.5 x 11.3
Weight, Lb (kg)	11 (5)
Cooling System	Internal – from PS
Inlet Water T° (max), °F (°C)	95°F (35°C)



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