

ULTRAHEAT S SERIES

1-2kW/30-350kHz

**EFFICIENT POWER FOR
HEATING SOLUTIONS**



FEATURES

- Output regulation – Voltage, Power, Current
- Limits Setting – Current, DC Volts, Output Volts, Power, Frequency
- Compact air cooled power supply design with automatic fan control
- Operator controls – Selectable: Automatic, Remote or Local
- Capable of delivering full power in the specified frequency range (see Specifications tables)
- Variable ratio output isolation transformer for load matching of a wide range of loads and coils
- Power control from 1 to 100% in 1% increments
- Multiple user programs and programmable parameters

Compact, economical 2kW induction heating system.

Operates with water-cooled or air-cooled remote heat station.

Advanced, versatile induction heating unit 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.

Flexible, wide range load impedance matching by utilizing multiple transformer ratios and configurable tank capacitance.

Easy tuning to variety of loads and coils.

Durable design, loaded with safety and diagnostics features.

APPLICATIONS

Brazing, Shrink Fitting, Annealing, Soldering, Carbide Tipping, Curing, Catheter tipping, Bonding, Heating, Material Testing, Plastic Reflow, Susceptor Heating, Nanoparticle Research.

HEADQUARTERS:

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SPECIFICATIONS

● Standard ○ Optional

Power Supply Model

	SM2/200	SH2/350
Output kW	2.0kW at 230VAC, 1.0kW at 110VAC	2.0kW at 230VAC, 1.0kW at 110VAC
Frequency kHz	30-200	100-350
AC Line Volts (50/60Hz)	110/230±10%	110/230±10%
Line Phases	1	1
Compact air cooled power supply	●	●
Auto tuning to variety of loads and coils	●	●
Multiple user programs	●	●
Programmable parameters	●	●
Digital I/O Interface board – Remote Start/Stop	○	○
External power control input: 0-10V or 4-20mA	○	○
Temperature control with K Thermocouple Input	○	○
Serial Interface: RS-232 or RS-485	○	○
External/Remote Control Panel	○	○
Weight Lb (kg)	11 (5)	11 (5)
Dimensions Inch (cm) WxDxH	9.8" x 8.5" x 9.3" (25 x 21.5 x 23.5)	9.8" x 8.5" x 9.3" (25 x 21.5 x 23.5)
Compatible Heat Stations	HS-4W, HS-4AN	HS-4W, HS-4AN

Heat Station Model

	HS-4W water-cooled	HS-4AN air-cooled
Cable Length between Power Supply and Heat Station: Std / Max Ft (cm)	6 (183)/ 30 (914)	6 (183)/ 30 (914)
Dimensions Inch (cm) WxDxH	7.3" x 12.2" x 6.3" (18.6 x 31.1 x 16)	7.2" x 14.2" x 7.1" (18.4 x 31.1 x 18)
Weight Lb (kg)	8.7 (4)	13.2 (6)
Min. Cooling Water, GpM (LpM)	0.5 (2.0)	n/a
Inlet Water T° (max),F (°C)	95°F (35°C)	n/a



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