

EASYHEAT[®] 1.2 to 2.4 kW Induction Heating Systems



The compact EASYHEAT induction heating systems are a reliable solution for heating parts with a quick, clean source of heat. With a movable work head that can be located up to 3m (10') from the power supply, it is ideal for repeatable, non-contact heating of parts.

Equipped to operate over a broad frequency range (150-400 kHz), EASYHEAT is ideal for heating parts of many geometries and compositions with precise power control within 25W resolution.

Avoid time-consuming changeovers with agile tuning for single-cycle and continuous heating operations. One system can supply deep, bulk heating for brazing and soldering for more shallow, concentrated heating for case-hardening for smaller parts. Flameless, non-contact induction heating minimizes energy waste by focusing energy only on the part and zone to be heated. Select and monitor power levels from the front panel LCD and sealed touch pad. Remote power control is available for employing contact inputs, analog inputs or optional serial data port. Easily control the length of the heating cycle with a built-in programmable digital timer.

EASYHEAT is a water-cooled system, requiring connection to a heat exchanger or other mechanism for dissipating heat.

Versatile

- Efficient heating of many geometries
- Repeatable, reliable heating with agile frequency tuning
- Movable workhead; up to 3m (10')
- Remote serial operation or logging (optional)
- Five language display suite (EN, FR, IT, DE, ES)
- Field-calibration capable

Easy-to-Use

- Self-adjusting for accurate, repeatable results
- View set-point, output, frequency and timer
- Built-in timer, stop-watch
- Push-button RF power control

Compact and Light

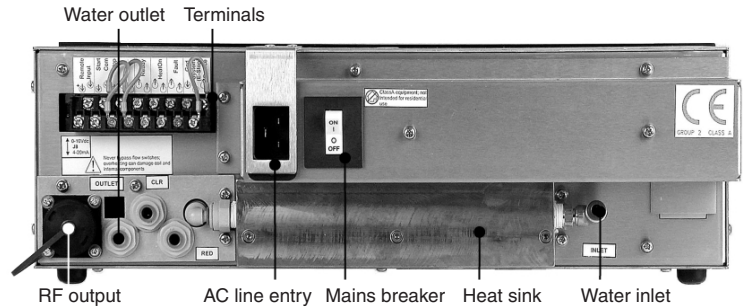
- Smallest feature-rich 2.4kW model



EASYHEAT features a front panel programmable controller allowing you to define up to four different heating profiles, each with up to five time/power steps.

OPTIONS AND ACCESSORIES

- Heat exchanger or chiller
- Optical pyrometer (closed-loop temperature control)
- External controller (plc)
- Extended work head cable lengths
- Footswitch
- Serial data interface
- Pendant station
- Start-up assistance



Two Application Specific Work Heads

LEFT	RIGHT	UNITS
10 x 267 x 102 (4 x 10.5 x 4)	102 x 204 x 102 (4 x 8 x 4)	mm (in)
4 (8.8)	3 (6.6)	kg (lb)

SPECIFICATION	0112	0224	UNITS
RF Terminal Power	1.2	2.4	kW
AC Line Power	1.6	3.3	kVA
AC Line Protection	15	15	A
Frequency	150-400		kHz
RF Coil Current	300-400		A max
AC Line Voltage	117 or 220	220	Vac ± 10%, 1Ø
Front Panel Display	2 line x 16 character LCD; displays frequency, power, setpoint, timer and fault descriptions		
Display Language Suite ¹	Five language display suite (EN, FR, IT, DE, ES)		
Serial Communications	Via RS485 terminal mode		Optional
Timer	Built in; 10ms to 10,000 seconds		
Heating Controller	4 programmable profiles, 5 steps per profile		
RF Rise Time	<5		ms
Tune Time	<5		ms
Compliance	CE & UKCA Marked, 220 models only		
Max Ambient Temp	45 (115)		C° (F°)
Unit Weight	10.4 (23)		
Dimensions	Rack 483 x 400 x 133 (19 x 15.7 x 5.3)		WxDxH mm (in)
	Bench 436 x 398 x 129 (17.2 x 15.7 x 1) 3U		
WATER COOLING (Sys ²)			
Flow	1.5 (0.4)	2.8 (0.75)	l/m (g/m)
Max Input Pressure	5.6 (80)		Bar (lb/in ²)
Pressure Differential	2.8 - 5.5 (40-80)		Bar (lb/in ²)
Max Water Temp	35 (95)		C° (F°)

1) Factory set 2) System includes workhead



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