

HEATCON®

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ALARM

DEL: HCS8800

15 MIH/DI

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CONTROL POWER

DATA

ONLY

4.1 lbs

(1.9 kg)

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Bonders provided by HEATCON[®] Composite Systems are used to control localized heat sources for a wide variety of manufacturing and repair applications which require the curing of prepregs, resins or adhesives.

The HCS 8800 Micro Bonder is especially well-suited for use in remote repair environments which require portability and light weight.

FEATURES

LCD Graphic Display Audible Alarm Type J Thermocouples 4 Key Operator Interface USB Data Connection Integrated Circuit Breaker and Power Switch Vacuum Monitoring Capability

Maximum Repair Area (sq. in.)		
HEATER Watts per sq. in.	120V	240V
1	1920	3840
2	960	1920
3	640	1280
4	480	960
5	384	768

Innovating Solutions for the Advancement of Composite Repair Technology







HEATCON COMPOSITE SYSTEMS

Specifications

Operating Voltage: 120 or 240V, single phase

Current (Amps) Maximum Load: 16 Amps

- Operating Environmental Limitations: • Temperature: 0 - 115° F (-18° - 46° C)
 - Relative Humidity: 0 99%

Cure Temperature Range: 0 - 500° F (-18° - 260° C)

Control Parameters:

- Internal Control System Resolution: 0.5° F (0.28° C)
- Display Resolution: 1.0° F (0.55° C)
- Program Resolution: 1.0° F (0.55° C)
- Temperature Accuracy: +/- 1° F (0.55° C)

Control Methods:

- Hottest TC
- Coolest TC
- TC Average

Vacuum Monitoring Capability: 0 - 30 Hg

Temperature Feedback: 4 Type J Thermocouples

Operation Interface:

 4 Push Buttons with Menu Selected/Real Language Screens on a Dark and Sunlight Readable 2.8 in.
(71.1mm) Liquid Crystal Display (LCD)

Power Failure/Recovery:

• Power Recovery within 2 minutes of power loss results in continued program operation

Alarm Volume: 77 dB (Adjustable)

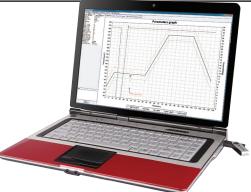
Programs Stored to Memory: 8 Separate programs – either downloaded via USB, or operator-entered

Printer Station Compatible: HCS2070-01

Cure Data Download: USB Uploadable to HEATCON[®] Composite Systems DCAS Software

Dimensions and Weight Control Unit:

- 10 in. x 6.5 in. x 2.5 in. (254mm x 165.1mm x 63.5mm)
- 4.1 lbs (1.9kg)



The Data Capture and Analysis Software (HCS-DCAS) is a visual graphical program used for cure evaluation and to create / store a history of cure records for maintenance repair organizations.

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Specifications

Standard Package Configuration:

Four, J-type, 10 ft. (304.8cm) Thermocouples, with standard connectors

One Input Power Cable, 10 ft. (304.8cm) length (choose below)

- EU color code (CE) with flying leads to allow the customer to add the appropriate plug
- US color-code, with 15-amp NEMA 5-15 plug to allow out-of-the-box operation
- US color-code, with flying leads to allow the customer to add the appropriate plug

One 5 ft. (152.4cm) CE Compliant Output Cable

One 10 in. x 10 in. (254mm x 254mm) Heat Blanket, CE configuration with 5 ft. (152.4cm) leads with connector for connection to the output cable. 120V or 220V

One 12 in. x 12 in. (304.8mm x 304.8mm) Heat Blanket, CE configuration with 5 ft. (152.4cm) leads with connector for connection to the output cable. 120V or 220V

One Vacuum Monitor Hose, 10 ft. (304.8cm) length, withThrough-bag Vacuum Sniffer (port)

One Venturi Vacuum Pump, mounted on a Throughbag Vacuum Sniffer Port for direct connection to an air supply

One USB flash memory stick, with HCS Data Capture and Analysis software package.

One Carrying Case

Package Options:

If CE certification is not required, the Output Power Cable and Heat blankets can be selected from choices below:

120 Voltage Option:

One Output Power Cable, 5 ft. (152.4cm) length, MS Bonder connector on one end and a single 120V NEMA L5-15 Twist-lock cord receptacle on the other end

One 10 in. x 10 in. (254mm x 254mm) Heat Blanket, 5 ft. (152.4cm) leads, 120V, with NEMA L5-15 plug

One 12 in. x 12 in. (304.8mm x 304.8mm) Heat Blanket, 5 ft. (152.4cm) leads, 120V, with NEMA L5-15 plug

220 Voltage Option:

One Output Power Cable, 5 ft. (152.4cm) length, MS Bonder connector on one end and a single 220V NEMA L6-15 Twist-lock cord receptacle on the other end

One 10 in. x 10 in. (254mm x 254mm) Heat Blanket, 5 ft. (152.4cm) leads, 220V, with NEMA L6-15 plug

One 12 in. x 12 in. (304.8mm x 304.8mm) Heat Blanket, 5 ft. (152.4cm) leads, 220V, with NEMA L6-15 plug

* Straight-blade configurations available by special order only

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