

HOT BONDER

HCS8806 MICRO BONDER



*Light Weight
and Portable*

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

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 HCS8806 Micro Bonder is especially well-suited for use in remote repair environments which require portability and light weight.

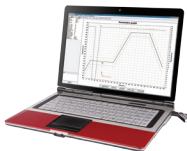


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Contact Information

**HC HEATCON
COMPOSITE SYSTEMS®**

Specifications

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Operating Voltage: 120 or 240V, single phase
Current (Amps) Maximum Load: 16 Amps
Operating Environmental Limitations: <ul style="list-style-type: none"> • Temperature: 0 - 115° F (-18° - 46° C) • Relative Humidity: 0 - 99%
Cure Temperature Range: 0 - 500° F (-18° - 260° C)
Control Parameters: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • Hottest TC • Coolest TC • TC Average
Vacuum Monitoring Capability: 0 - 30 Hg
Temperature Feedback: 6 Type J Thermocouples
Operation Interface: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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 port for data export
Dimensions and Weight Control Unit: <ul style="list-style-type: none"> • 10 in. x 6.5 in. x 2.5 in. (254mm x 165.1mm x 63.5mm) • 4 lbs (1.8kg)
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



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.

Standard Package Configuration:
Six, J-type, 10 ft. (304.8cm) Thermocouples, with standard connectors
One Input Power Cable, 10 ft. (304.8cm) length (choose below) <ul style="list-style-type: none"> • 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, with Through-bag Vacuum Sniffer (port)
One Venturi Vacuum Pump, mounted on a Through-bag 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
<i>* Straight-blade configurations available by special order only</i>