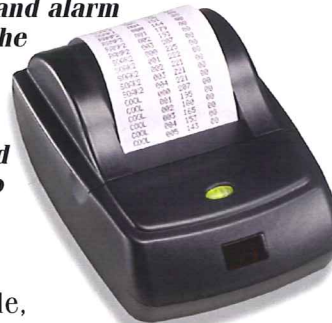


# HB-1 Composite Repair System

## Models HB1000, HB1003



*For recording program cure parameters and alarm conditions, the optional universal printer may be purchased separately to use with the HB1000.*



You'll get big performance from the industry's smallest, most powerful and economical hot bonder for curing composite repairs. This handheld unit performs well from the workbench to the tightest spots, the highest places.

The HB-1 is a full featured bonder. The HB-1 can be seamlessly networked, enabling the interconnection of multiple HB-1's to support extra large or very complex repairs. WichiTech's HB1000 is a non-explosion proof bonder, and the HB1003 is explosion proof.

Compact and durable, the 3.5 pound HB-1 repair system has all of the features of much larger and more expensive units: four active thermocouple inputs, audible alarm and safety devices and the ease of programming that is a signature of WichiTech bonders. Set to go with its own standard vacuum line and heating blanket, all it needs is a vacuum source or shop air with venturi to do the biggest or smallest jobs quickly and efficiently.

- ❖ One high performance programmable heating zone
- ❖ Two shared vacuum or pressure measurement ports
- ❖ Menu driven functions with single keystroke execution
- ❖ 32 library cure program memory
- ❖ Multiple thermocouples, audible alarms, circuit breakers ground fault interrupter for safety/performance protection
- ❖ Optional detachable printer
- ❖ Tough & lightweight at 3.5 lbs, the HB-1 offers all the features of a 20amp bonder in a handheld enclosure
- ❖ ABS plastic case is virtually indestructible
- ❖ Includes nylon over-the-shoulder carrying case that fits all accessories
- ❖ Universal AC power 85-265 VAC, 47-440 Hz
- ❖ 4, 8 or 10 TC's
- ❖ S.I. or metric units
- ❖ Standard 72-hour service turnaround time
- ❖ Standard 3-year warranty

**WICHITECH**  
INDUSTRIES INC.  
"CLEARLY SUPERIOR"™

# HB-1: Models HB1000, HB1003

## Technical Specifications

<u>CHARACTERISTIC</u>	<u>SPECIFICATION</u>
Heating Zones . . . . .	1-Operator Programmable
Heating System . . . . .	Electric Blanket, Heat Lamps, Heat Gun
Heat/Dwell Steps . . . . .	1 to 6
Heat Up Rate . . . . .	1 to 15° F/minute in 1° increments
Dwell Temperature . . . . .	500°F (1,000°F optional)
Dwell Time . . . . .	0 to 999 minutes per step
Cool Down Rate . . . . .	1° to 15° F/minute in 1° increments
Temperature Accuracy . . . . .	+/-5°F
Heat Blankets . . . . .	8" x 8", 10" x 10" Standard
Thermocouple . . . . .	Type J
Active Thermocouple Inputs . . . . .	4 (8 or 10 optional) Control and Backup
Vacuum . . . . .	Air Driven
Active Vacuum Lines . . . . .	1 with thru-bag connector; 10' hose standard; 20' hose optional
Active Vacuum Transducers . . . . .	1 (0" to 30" Hg)
Alarm Conditions . . . . .	Low Vacuum Open Thermocouple Over Temperature Under Temperature Tc Fall (Declining Temperature) Blanket Control Failure (No Heat)
AC Power Supply . . . . .	Auto-switching 85-265 Volts, 47-440 Hz
AC Safety Devices . . . . .	Circuit Breaker - 20 amp standard; Ground Fault Circuit Interrupter
Size . . . . .	3.6" x 4.7" x 9.5"
Weight . . . . .	10 lbs Shipping Weight.
Storage . . . . .	Nylon Carrying Case with Shoulder Strap

**May also be purchased configured to meet the requirements of MIL-STD-810E, Method 511.3, Procedure I for Performance in an Explosive Atmosphere**

*For more information, to place an order, or for a personal demonstration, please contact:*

<b>Wichitech Industries, Inc.</b>	<b>www.wichitech.com</b>
1120 N. Charles Street • Suite 103	(800) 776-4277
Baltimore, Maryland 21201	410/244-1966
United States of America	FAX 410/244-1968

<u>NSN</u>	<u>P/N</u>
4920-01-445-4360	F4HB1000 - Non-ExplosionProof
4920-01-445-4519	F4HB1003 - Explosion Proof

*Visa and MasterCard accepted.*

### **HB-1 Single Zone Features**

- ❖ **4, 8 or 10 TC's**
- ❖ **Single or multiple TC control (hottest, coldest or median/average)**
- ❖ **Precision (1%) output power control**
- ❖ **Auto-switching AC universal power**
- ❖ **Generate vacuum with standard venturi**
- ❖ **30A/zone option**
- ❖ **Smallest size & lightest weight hot bonder available anywhere**
- ❖ **Networkable for large custom repairs**
- ❖ **Standard 72-hour service turnaround time**
- ❖ **Standard 3-year warranty**

**WICHITECH**  
INDUSTRIES INC.  
"CLEARLY SUPERIOR"™