We: FHC Europe (TERMObIT PROD srl)
of:
129 Barbu Vacarescu Str, Sector 2
Bucharest 020272
Romania
declare that:
Equipment: Temperature Regulation Systems

Model: Catalog No.s 40-90-8D, 40-90-5D-02, 40-90-3, 40-90-6, 40-90-2-XX

Serial Number: 19683

has been designed and manufactured to the following specifications:

IEC61326 Electrical Equipment for Measurement, Control, and Laboratory Uses

I hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced specifications. The unit complies with all essential requirements of the Directives.

Signed by: Frederick Haer
Position: President, FHC
Done at: FHC Inc., 1201 Main Street, Bowdoin, ME 04287 USA
Phone: 1207-666-8190, Fax: 207-666-8292

E-mail: fhcinc@fh-co.com, Website: http://www.fh-co.com

A720E Temperature Regulation Systems
QUALITY INSPECTION SUMMARY

We have made every effort to manufacture this instrument to the highest quality standards. All assemblies have been thoroughly tested and inspected at the factory as follows:

- Initial Assembly Inspection
- Initial QC Inspection/Calibration
- 24 Hour Burn-In
- Final Performance Inspection

Packaging inspection

Initials: JB Date: 9.2.05

Items included with any catalog number may be labeled and packaged separately in shipping carton.

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Checked</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cat.#40-90-8D DC Temperature Controller Module</td>
<td>1</td>
<td>✔</td>
</tr>
<tr>
<td>Containing:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Controller Module</td>
<td>1</td>
<td>✔</td>
</tr>
<tr>
<td>Junction Box</td>
<td>1</td>
<td>✔</td>
</tr>
<tr>
<td>Accessory Kit</td>
<td>1</td>
<td>✔</td>
</tr>
<tr>
<td>Specified Line Cord</td>
<td>1</td>
<td>✔</td>
</tr>
<tr>
<td>Cat.#40-90-2X Heating Pad</td>
<td>1</td>
<td>✔</td>
</tr>
<tr>
<td>Cat.#40-90-5D-02 Thermistor Probe</td>
<td>1</td>
<td>✔</td>
</tr>
<tr>
<td>Cat.#40-90-3 Heating Rod</td>
<td>1</td>
<td>✔</td>
</tr>
<tr>
<td>Cat.#40-90-6 Liquid Thermistor</td>
<td>1</td>
<td>✔</td>
</tr>
</tbody>
</table>
TO SPECIFY FHC CONCENTRIC BIPOLAR ELECTRODES:

CATALOG # CB 123456

1. Outer Pole Diameter:
   - Outer Pole is a stainless steel tube
   - A: 125 pm (0.005")
   - B: 200 pm (0.008")
   - C: 250 pm (0.010")
   - D: 300 pm (0.012")
   - E: 425 pm (0.015")
   - F: 450 pm (0.018")
   - G: 500 pm (0.019")
   - H: 550 pm (0.022")
   - J: 600 pm (0.024")
   - X: Special Spec

2. Tip Configuration:
   - R: Rounded
   - F: Flat
   - M: Microelectrode
   - P: Pencil Point
   - E: Extended
   - B: Beveled
   - S: Stacked

3. Inner Pole Diameter:
   - Inner Pole Wire Diameter
   - A: 565.00 ea
   - B: 539.00 ea
   - C: 537.00 ea
   - D: 535.00 ea
   - E: 532.00 ea
   - F: 530.00 ea
   - G: 528.00 ea
   - H: 526.00 ea
   - J: 524.00 ea

Modifier Note:
- Any Xs in the catalog # indicate that modifiers are required. Specify Extension and Protrusion if needed, or initials will reference a drawing with all specifics detailed.
- 1/2 pm standard (Specify other if needed) Inner Pole must be > 50 pm

Note:
- Largest Inner Pole Diameter allowed for Outer Pole O.D.
- Multiply price by factor
- Add $0.10 for every millimeter over 100

PRICING:

1. Outer Pole Diameter:
   - A: $55.00 ea
   - B: $39.00 ea
   - C: $37.00 ea
   - D: $35.00 ea
   - E: $32.00 ea
   - F: $30.00 ea
   - G: $28.00 ea
   - H: $26.00 ea
   - J: $24.00 ea

2. Inner Pole Diameter:
   - C: $125 pm (0.005")
   - D: $300 pm (0.012")
   - E: $500 pm (0.019")
   - F: $425 pm (0.015")
   - G: $500 pm (0.019")
   - H: $450 pm (0.018")
   - J: $550 pm (0.022")

4.5.6 Length:
   - 75 mm: Standard and in stock. See diagram below for dimension definition. No leading zero is necessary.
   - 4.5.6 Length (in millimeters)

CB ARC75

- Length: 75 mm
- 3 mm extension
- 24 ga TW SS Tubing
- 2 COAT EPONYLITE INSULATION
- OUTER POLE 0.125 mm O.D.
- INNER POLE 0.025 mm O.D.
- PLATINUM

Appendix 1: Polyimid Tube: 0.724 mm ID POLYIMIDE TUBING
- 19 ga TW SS COLLAR TUBE
- 50 mm x 38 ga INSULATED CABLES

FHC Inc., 9 Main Street, Bowdoinham ME 04008 USA
E-mail: fhcin@fh-co.com • Website: http://www.fh-co.com
Heat Shrink Tubing, J3-15 x 25mm long
Black. Place a small silicone bead on the end.
Polyimide Tubing
M3-27 x 8mm

19ga TW SS
Collar Tube
V3-41 x 5-7mm

50mm x 38ga
Insulated Braided Cu Leads. J4-41

Heat Shrink Tubing, J3-15 x 25mm long
Black. Place a small silicone bead on the end.

INNER POLE: 250μm Ø Pd Wire. M3-25 x ~110mm long
2 Dips Epoxyliie Insulation.

Heat Shrink Tubing, J3-15 x 25mm long
Black. Place a small silicone bead on the end.

INNER POLE: 250μm Ø Pd Wire. M3-25 x ~110mm long
2 Dips Epoxyliie Insulation.
Dear Customer,

These macroelectrodes have been made with pride and thoroughly checked for defects prior to shipment. All FHC Macroelectrodes are rinsed in alcohol immediately prior to packaging but should not be considered sterile. Our macroelectrodes are resilient to most common methods of sterilization (although the packaging may not be). As with any electrode, the tip is very fragile. If the packaging is in any way damaged when you receive these electrodes, please contact our customer service department for a timely resolution. FHC will gladly replace any macroelectrodes that you consider to be less than perfect.

With proper care and cleaning, FHC Macroelectrodes can usually be reused many times. FHC recommends holding the electrodes up to a water tap to rinse off any tissue or fluid deposits and/or soaking them in an ultrasonic cleaner with a mild detergent, then resterilizing. With age and use, the exposed contacts on the electrode will oxidize. In extreme cases, gently scraping the tip of the electrode with a fine emery paper or polishing cloth can recondition the tips, although this is not possible with some configurations.

It is our sincerest hope that you will find FHC Macroelectrodes to be consistently of the highest quality. Please let us know if these macroelectrodes fall short of your expectations in any way. Your continuing satisfaction is important to us.

FHC, Inc. Frederick Haer & Co.
9 Main Street
Bowdoinham, ME 04008 USA

Phone: (207) 666-8190
Fax: (207) 666-8292
Email: fhinc@fh-co.com
Web: www.fh-co.com

Inspected by: ____________________________ Date: 10/31/02

Work Order(s): 23698 23699 Lot No.: 110809 110836 Sales Order: 13931

23700 110837

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Revision Description Edited by Date
A Originated MAA 5-19-00
B Added additional lines for WO'S WBB 6-29-00
INNER POLE:
Stainless Steel rod, Ø = 250 μm (0.010"")
M3-12-150 x 95 mm
Two dips Epoxylite insulation.

OUTER POLE:
SS Tubing, 24ga (0.012" / 0.022" Ø)
V3-14 x 90 mm

Two coats of Epoxylite insulation,
Cure @ 350°F for 1 hr.

Epoxy seal

~45° Angle as drawn

0.010" (250 μm) SS
Epoxy seal

24 ga SS Tubing

J3-15, 1/16"
black heatshrink
x 25 mm long
Place a small silicon bead on the end.

J4-41, Wire, 38ga,
insulated, Cu
x 50 mm (2 places)

M3-01, Pin, male (2 places);
w/ 1/16" heatshrink; J3-15-02, and
J3-15-04; x 10 mm each
Red = Outer Pole
Yellow = Inner Pole

Not to scale.
All dimensions in millimeters
(except where noted).
OUTER POLE:
SS Tubing, 25 ga
(0.010" / 0.020" Ø)
V3-13 x 115 mm

UESLESE
Material: Stainless Steel
Shank Ø: .005"/125µm
Taper: Standard Medium
Profile: Standard
Insulation: Epoxylite
Impedance: 1 meg

SS micro-electrode

Epoxy seal

25ga SS Tubing

Two coats of Epoxylite insulation,
Cure @ 350°F for 1 hr.

J3-13, 3/32"
Black heatshrink,
x 25 mm long
Place a small silicone bead on the end.

J4-41, Wire, 38ga,
insulated, Cu
x 50 mm (2 places)

M3-01, Pin, male (2 places);
w/ 1/16" heatshrink; J3-15-02, and
J3-15-04; x 10 mm each
Red = Outer Pole
Yellow = Inner Pole

Not to scale.
All dimensions in millimeters
(except where noted).
Apply two coats of Epoxylite insulation. Cure @ 350°F for 1 hr.

Pin, male, M3-01 (2 places) w/ Heatshrink, J3-15-02, and J3-15-04 x 10 mm each
RED = Inner Pole
YELLOW = Outer Pole

Heatshrink Tubing, J3-15 x 15 mm
Black. Place a small silicone bead on the end.

50 mm x 38 ga Insulated braided Cu leads. J4-41

Not to scale.
All dimensions in millimeters (unless otherwise noted).