

the Thermasonic® Gel Warmer

5. TECHNICAL SPECIFICATIONS

This equipment is intended for indoor use and will meet its performance figures within the ambient temperature range of 68°F (20°C) to 95°F (35°C), with maximum relative humidity of 80% (non-condensing). Installation Category II (transient voltages). Pollution Degree 2, in accordance with IEC 664. Suitable for operation at altitudes of up to 6,500 feet.

Specifications:

Supply Voltage Range: 120V~ +/- 10%, 50/60 Hz
230V~ +/- 10%, 50/60 Hz (CE version)

Power Rating: Model 82-03, 83-03: 31W, 0.26A
Model 83-03-20, 83-03-20: 31W, 0.15A

6. MAINTENANCE AND SERVICE

No routine maintenance is required and there are no user-serviceable parts.

6.1 CLEANING

Disconnect the Gel Warmer from the electrical outlet prior to cleaning. The outer casing may be cleaned by using a soft, damp cloth and a mild detergent soap. Do not use an abrasive cleaner. Do not submerge or immerse the Gel Warmer in water. Abrasive materials, such as paper towels, may scratch the finish. Do not use solvents to clean the Gel Warmer.

7. WARRANTY

All Thermasonic Gel Warmers have a two-year Limited Warranty from date of purchase. DO NOT attempt to service your Thermasonic Gel Warmer. Any evidence of the unit being disassembled, tampered with, or misused will void the warranty. Contact Parker Laboratories, Inc. with any service or warranty questions through email: parker@parkerlabs.com

NOTE: Product must be registered online at time of purchase.

Please register your model at:
www.parkerlabs.com/register/thermasonic

8. FREQUENTLY ASKED QUESTIONS

This instruction manual contains the answers to most questions about the use and care of your Thermasonic Gel Warmer. You may also find answers to some of the most frequently asked questions by visiting:

www.parkerlabs.com/thermasonic



THERMASONIC
GEL WARMER
Warming Up Ultrasound

Declaration of Conformity

Certification: Parker Laboratories, Inc. certifies this instrument was inspected and tested thoroughly and met its published specifications when shipped.

Manufacturer's Name:
Parker Laboratories, Inc.

Manufacturer's Address:
286 Eldridge Road
Fairfield, NJ 07004 USA

Declares that the product listed

Name: Thermasonic® Gel Warmer
Model: 82-03, 82-03-20, 83-03, 83-03-20

conforms to the requirements of the following European Directives:

Low Voltage Directive 2006/95/EC

EMC Directive 2004/108/EC

Conforming to the following standards:

EN 60335-2-15:2002/A1:2005/A2:2008
Certified by Linx Asia Trading Co. LTD.

EN 60335-1:2012
Certified by Linx Asia Trading Co. LTD.

EN 55014-2:1997/A2:2008, CIS PR 14-2:1997
Certified by Linx Asia Trading Co. LTD.

EN 55014-1:2006/A2:2011
Certified by Linx Asia Trading Co. LTD.

EN 61000-3-2:2006/A2:2009
Certified by Linx Asia Trading Co. LTD.

EN 61000-3-3:2008
Certified by Linx Asia Trading Co. LTD.

EN 62233:2008
Certified by Linx Asia Trading Co. LTD.



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® Microtemp is a registered trademark of Emerson Electric Co.

PM-082-0003A

the Thermasonic® Gel Warmer
Warm and comfortable is now even better.

Operating Instructions

For Models: 82-03, 83-03 (120V)

For Models: 82-03-20, 83-03-20 (230V)



the Thermasonic® Gel Warmer

1. IMPORTANT SAFEGUARDS

This symbol  when indicated on the equipment means:

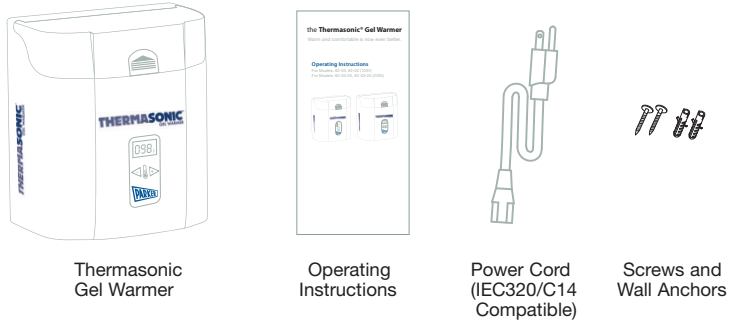
CAUTION:

Read these operating instructions fully before use, and pay particular attention to sections containing this symbol.

Always observe the following safety precautions:

1. Read all instructions.
2. To provide continued protection against risk of electric shock, connect only to a power supply that provides a safety ground terminal.
3. Connect only to a power supply with a voltage corresponding to that on the electrical information label.
4. Before moving, disconnect at the power supply socket.
5. If liquid is spilled inside the unit, disconnect it from the power supply and have it checked by qualified personnel.
6. Do not submerge the unit in water.

2. INCLUDED IN PACKAGE



Thermasonic Gel Warmer

Operating Instructions

Power Cord (IEC320/C14 Compatible)

Screws and Wall Anchors

3. ASSEMBLY

3.1 INSTALLATION

The Thermasonic Gel Warmer should be placed away from drafts, in an upright position on a flat, stable surface. Do not lay the unit flat on any side. The unit may also be wall mounted. See section 3.2 for wall mounting instructions. Plug female end of power cord into IEC320/C14 receptacle (see Figure 1) and male end into an appropriate electrical outlet matching the voltage listed on the electrical information label on the back of the gel warmer.



Figure 1

3.2 WALL MOUNTING

The Thermasonic Gel Warmer can be mounted on a wall with the use of the supplied screws and wall anchors. Follow these steps to wall mount.

Warm and comfortable is now even better.


1. Once wall-mount location has been identified, make two marks on the wall 4 inches (10.16 cm) apart. When making your marks, use a level to assure the gel warmer will appear straight when complete.
2. If mounting in wood, install screws and allow 0.1" (2.5mm) clearance between the wall and the screw head. If mounting into drywall, the use of wall anchors is necessary.  **CAUTION:** Never drill or install screws in a wall with wires or plumbing running through it.
3. Carefully position the gel warmer so the large round wells (see Figure 2) on the back of the unit will pass over the screw heads.
4. Press the gel warmer against the wall and slide downward, trapping the screw head in the grooves just above the wells.



Figure 2

4. OPERATION

4.1 CONTROLS AND INDICATOR LAMPS

When switched to the ON position, the power ON/OFF switch will illuminate (see Figure 3) and remain lit, indicating the unit is operational.




Figure 3

4.2 SETTING THE OPERATING TEMPERATURE

Models 82-03 and 82-03-20

LOW	97° F (36° C)
MEDIUM	102° F (39° C)
HIGH	109° F (43° C)

The gel warmer has three specific temperature settings, as indicated in the chart on the left.

 **CAUTION:** Temperature can vary. Always test a small quantity of gel before applying. Do not use HIGH setting on infants, the elderly or patients with very sensitive skin.

When powered on for the first time, the LED corresponding with MED will begin to flash (see Figure 4), indicating the gel warmer is functioning and is warming to MEDIUM (factory setting). When removed from a power source, the gel warmer will remember the last temperature setting and maintain that setting when powered on again.



Figure 4

You may switch between the LOW, MEDIUM, and HIGH settings by pressing the thermometer button below the bank of LEDs (see Figure 5).

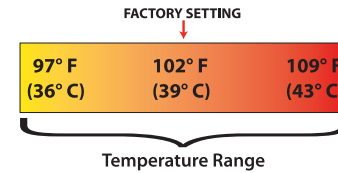


Figure 5


Once the unit reaches the set temperature, the LED will stop flashing and remain illuminated. Should the temperature drop below the acceptable temperature range, the LED will again flash until the unit returns to the correct temperature.

the Thermasonic® Gel Warmer

Models 83-03 and 83-03-20



The gel warmer operates within a temperature range and can be adjusted in one degree increments from 97° F to 109° F (36° C to 43° C).

 **CAUTION:** Temperature can vary. Always test a small quantity of gel before applying.

When powered on for the first time, the digital display will indicate the current temperature and will begin warming to the factory-set temperature of 102° F (39° C) (see Figure 6).



Figure 6

To adjust the temperature, press the arrow button with + symbol to increase temperature, or press the arrow button with - symbol to decrease temperature (see Figure 7). Each time one of the arrow buttons is pressed, it will increase or decrease temperature setting by one degree and flash the newly set temperature for five seconds. The unit will then return to displaying current temperature.



Figure 7

To switch between Fahrenheit or Celsius on the temperature display, press both the + arrow button and - arrow button simultaneously.

When removed from a power source, the gel warmer will remember the last temperature setting used and maintain that setting when the unit is powered on again.

4.3 OPERATING THE GEL WARMER

Allow approximately two hours for a full bottle of gel to reach proper temperature. Leaving the cover closed at all times will help retain heat. Your Thermasonic Gel Warmer is designed for continuous operation, and it is not necessary to disconnect the warmer when not in use.

NOTE: Since gels are aqueous, some condensation may appear in the applicator cap of the gel bottle. Use of the Thermasonic Gel Warmer will not affect the performance or viscosity of any Parker ultrasound gel.

4.4 ERROR CODES

The Thermasonic Gel Warmer contains a temperature sensor to consistently monitor function and a Microtemp® thermal cutoff to protect against overheating.

Models 82-03 and 82-03-20

If the temperature sensor is not operating, all the LEDs will blink once every five seconds. If a short circuit occurs, the LEDs will blink twice every five seconds. In either circumstance, the heater will not operate.

Models 83-03 and 83-03-20

If the temperature sensor is not operating at all, the digital display will indicate "E1". If a short circuit occurs, the digital display will indicate "E2". In either circumstance, the heater will not operate.