



the Thermasonic® Gel Warmer

Warm and comfortable is now even better.

Completely redesigned with microprocessor control, a powerful heating element, and higher sidewall heat exchangers to rapidly heat gel and consistently monitor temperature. Add an integrated power switch, IEC320/C14 receptacle and, an option for 120V or 230V CE to yield the best Thermasonic Gel Warmer yet.



at the heart of each model

is advanced microprocessor technology and a Microtemp® thermal cutoff, providing protection from overheating. From basic, single bottle warming to degree-specific, three bottle temperature control, there is an option for most any healthcare setting.

Learn more at: parkerlabs.com/thermasonic

THERMASONIC®
GEL WARMER
Warming Up Ultrasound

ISO 13485:2003



Parker Laboratories, Inc.

The sound choice in patient care.™

973.276.9500

parkerlabs.com

THERMASONIC® GEL WARMER

Single bottle and two multi-bottle gel warmers rapidly heat ultrasound gel and consistently monitor temperature. Durable construction, suitable for wall mounting or counter top use and, each unit comes with a two-year warranty. All three units are available in 120V and 230V CE.

FEATURES

- Powerful heating element uniformly heats bottles of gel
- Microprocessor control maintains constant temperature
- "Thermal cutoff" provides protection from overheating
- IEC320/C14 receptacle
- Hospital-grade plug and power cord
- UL Listed to Canadian safety standards (120V)
- High-density, impact-resistant composite
- Adjustable temperature settings for multi-bottle units
- Illuminated power ON/OFF switch on multi-bottle units
- Heat Indicator Lamp on single-bottle unit
- Low electrical demand
- LCD model can display temperature in Fahrenheit or Celsius

Product #	Package Size
82-01	Single-bottle gel warmer 120V
82-03 (LED)	Multi-bottle gel warmer 120V (plus three bottles of ultrasound couplant)
83-03 (LCD)	Multi-bottle gel warmer 120V (plus three bottles of ultrasound couplant)
82-01-20 CE	Single-bottle gel warmer 230V (Unit supplied with European plug CEE 7/7)*
82-03-20 CE (LED)	Multi-bottle gel warmer 230V (Unit supplied with European plug CEE 7/7)*
83-03-20 CE (LCD)	Multi-bottle gel warmer 230V (Unit supplied with European plug CEE 7/7)*

*U.K. BS-1363 plug (part # UKCORD) available as an accessory from distributors located in the United Kingdom.



82-03 &
82-03-20 CE

82-01 &
82-01-20 CE

83-03 &
83-03-20 CE

ISO 13485:2003



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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.

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 Gel Warmer may be cleaned by using a soft, damp cloth and a mild detergent or hospital grade disinfectant, such as ProteX™ ULTRA Wipes. Do not allow the electronic controls to get wet. Do not use an abrasive cleaner or isopropyl alcohol to clean the Gel Warmer. Do not submerge or immerse the Gel Warmer in water.

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

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 conforms to the requirements of the following European Directives:

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

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
EN 60335-1:2012
EN 55014-2:1997/A2:2008, CIS PR 14-2:1997
EN 55014-1:2006/A2:2011
EN 61000-3-2:2006/A2:2009
EN 61000-3-3:2008
EN 62233:2008

Certified by Linx Asia Trading Co. LTD.
Certified by Linx Asia Trading Co. LTD.
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© Microtemp is a registered trademark of Emerson Electric Co.

PM-082-0003C

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)



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 THESE INSTRUCTIONS.
2. **CAUTION:** To provide continued protection against risk of electric shock, connect to properly grounded outlets only.
3. Do not immerse in water.
4. Unplug from outlet when not in use and before cleaning. Allow unit to cool before cleaning the appliance.
5. Do not operate any appliance with a damaged cord or plug or after a malfunction, or has been damaged in any manner. Return unit to an authorized service facility for examination, repair or adjustment.
6. Do not use outdoors.
7. Do not use appliance for anything other than intended use.
8. The use of attachments not recommended by the manufacturer may result in fire, electric shock or injury to persons.
9. SAVE THESE INSTRUCTIONS.

1. PRÉCAUTIONS IMPORTANTES

Ce symbole,  lorsque présent sur l'équipement, signifie: **MISE EN GARDE**
Lisez entièrement ces directives de fonctionnement avant d'utiliser; porter une attention particulière aux sections contenant ce symbole.

Toujours respecter les mesures de sécurité préventives :

1. LIRE CES DIRECTIVES.
2. **MISE EN GARDE** : Pour assurer une protection soutenue contre le risque de choc électrique, brancher à des prises correctement mises à la terre uniquement.
3. Ne pas immerger dans l'eau.
4. Débrancher de la prise lorsqu'inutilisé et avant le nettoyage. Laisser l'appareil refroidir avant son nettoyage.
5. Ne pas faire fonctionner un appareil dont le cordon ou la prise sont endommagés ou après un problème de fonctionnement ou l'occurrence d'un quelconque dommage. Renvoyer l'unité à un établissement de service autorisé qui pourra effectuer la vérification, la réparation ou le réglage.
6. Ne pas utiliser à l'extérieur.
7. Ne pas utiliser l'appareil à d'autres fins que celles prévues.
8. L'utilisation d'accessoires non recommandés par le fabricant peut causer un incendie, un choc électrique ou des blessures.
9. CONSERVER CES DIRECTIVES.

2. INCLUDED IN PACKAGE



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.

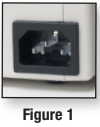


Figure 1

***NOTE:** UK power cord with a BS-1363 plug (Part #: UKCORD) is available in the United Kingdom, as an accessory from your distributor.

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.

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 mounted.
2. If mounting into 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.
 **MISE EN GARDE** : Ne jamais percer ou poser des vis dans un mur à travers lequel des fils électriques ou de la plomberie circulent.
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.

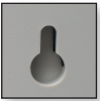


Figure 2

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.

 **MISE EN GARDE** : La température peut varier. Toujours effectuer un test à l'aide d'une petite quantité de gel avant l'application. Ne pas utiliser le réglage HIGH (élevé) sur des nourrissons, des patients âgés ou des patients dont la peau est très sensible.

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.

Models 83-03 and 83-03-20

FACTORY SETTING

97° F (36° C) 102° F (39° C) 109° F (43° C)

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).

Temperature Range

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

 **MISE EN GARDE** : La température peut varier. Toujours effectuer un test à l'aide d'une petite quantité de gel avant l'application.

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 the temperature setting by one degree and flash the newly set temperature for five seconds. The unit will then return to displaying the current temperature.



Figure 7