

FCC NOTICE

This equipment generates and uses radio frequency energy and if not installed and used properly in accordance with the manufacturer's instructions, may cause interference with radio or television reception.

It has been tested and found to comply with the specifications of FCC rules part 18, and is intended for use by qualified practitioners only.

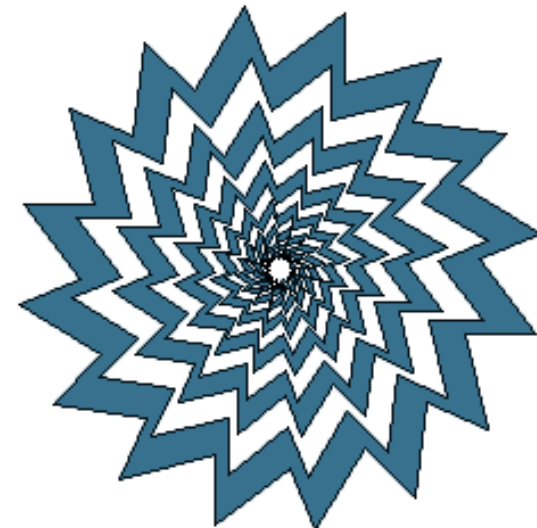
If this equipment does cause interference to radio or television reception, the user is encouraged to try to correct the interference using the following measures:

- Reorient the receiving antenna;
- Relocate the device with respect to the receiver;
- Move the device away from the receiver;
- Plug the device into a different outlet;

If necessary, consult the manufacturer or a qualified technician for additional information.

This epilator does not require regular maintenance, although accessory cords and electrodes should be replaced if there are signs of wear or breakage. Use only cords and electrodes provided by the factory for this specific model.

In the event servicing or repair of this device is necessary, contact the factory for instructions. Refer servicing only to the factory or a qualified technician familiar with this equipment. All warranty service must be performed by the factory.

**PROFESSIONAL
THERMOLYSIS EPILATOR****INSTRUCTION MANUAL
for the Thermo-Lo**

CONTRAINDICATIONS TO EPILATION

Diabetics should be treated only with a doctor's permission because of their slow ability to heal.

Cold sores, fever blisters, and other skin eruptions may contain pathogenic bacteria; these areas should not be treated until the disorder has subsided and healed.

State and local laws may prohibit treatment of any area of the body exhibiting severe infection or contagious skin disorders. Never work over areas of the body exhibiting pus, fever, fissures, or certain lesions such as warts, moles or tumors.

Patients with known allergies or dermatitis should be treated only on the instructions of the patient's physician.

The effects of this equipment on persons with pacemakers or other implanted devices have not been examined; treatment in such cases should be avoided unless a doctor's express permission has been obtained.

Please refer to the attachments enclosed with this manual for further details on contraindications, adverse reactions, and suggestions on proper use.

THERMO-LO TROUBLESHOOTING SUGGESTIONS

If you have difficulties operating the Thermo-Lo, locate the symptom in the left column. Refer to "Possible Cause" and "Correction" to remedy the problem. If you are unable to solve the problem, call your dealer or the factory for advice.

SYMPTOM	POSSIBLE CAUSE	CORRECTION
Epilator does not operate when POWER is turned on.	Line cord is not plugged into the wall socket.	Check if power cord is plugged in.
Thermolysis current is produced and unit beeps when first turned on.	-----	This is normal.
Pressing the footpedal does not turn current on.	Footpedal plug not properly plugged in.	Plug footpedal firmly into socket on rear panel.
Pressing the footpedal causes only a momentary application of current.	AUTOMATIC Timer is selected.	Set switch to MANUAL position if you wish to use manual mode.
Current is "HOT".	Intensity setting (or TIMER) is too high.	Reduce INTENSITY setting.
Hairs do not epilate after treatment.	Intensity setting (or TIMER) is too low, or needle insertion is too shallow.	Increase INTENSITY or TIMER settings. Insert needle to full, proper depth.
No output at the needle.	Worn or damaged probeholder.	Replace probeholder.

AUTOMATIC REPEAT TIMER

When in the AUTOMATIC timing mode, you TAP the footpedal to produce a single interval of Thermolysis current according to the TIMER knob setting. However, if you HOLD THE FOOTPEDAL DOWN while in the AUTOMATIC mode, additional pulses are applied which are spaced one (1) second apart. The Thermo-Lo will beep once at the end of each successive pulse.

For example, suppose you found that your patient's hairs were epilating well with the TIMER knob set to "1" second. Tapping the pedal once would produce the desired one second of current automatically.

But your patient might complain that one full second of current was uncomfortable. You might be able to reduce the pain by applying TWO pulses of 1/2 second each instead of the one full second. This would help by spacing the pulses apart and allowing the tissue to cool slightly between pulses, reducing heat build-up.

To do this, you can set the TIMER to ".5" (between .4 and .6 on the dial) to produce 1/2 second pulses. Press the footpedal and HOLD IT DOWN. The Thermo-Lo will provide a 1/2 second pulse and then, after a one second delay, it will repeat output for another 1/2 second. End the treatment by releasing the footpedal after hearing the second beep.

As you can see, the AUTOMATIC REPEAT TIMER (ART) works by detecting that the footpedal is still depressed after each pulse and repeats the treatment after a 1 second delay. The AUDIO ALERT beep after each pulse is helpful since you can merely count the beeps and release the pedal after the desired number have been delivered.

You can also use ART to progressively treat each hair, selecting a short TIMER interval and then applying multiple pulses of Thermolysis to each hair until you feel it release.

IMPORTANT

Remember that holding the footpedal down in the AUTOMATIC mode enables ART, repeating the timed output. If you wish to apply only a single timed pulse, just TAP the pedal once, or release it immediately after you hear the first beep.

TURNING OFF THE TIMER ALERT BEEPER

If you do not want the Thermo-Lo to beep when using AUTOMATIC TIMED Thermolysis, you can turn off the beeper by setting the "TIMER ALERT" switch on the rear panel to the OFF position.



**THERMOLYSIS EPILATOR
INSTRUCTION MANUAL**

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FOR PROFESSIONAL USE ONLY

THERMO-LO Professional Epilator

Congratulations on your purchase of the **Thermo-Lo** epilator, a portable Thermolysis unit designed especially for the professional electrologist and physician.

Among its many features, the **Thermo-Lo** includes:

- **Compact and lightweight**

Weighing only 4 1/2 pounds, Thermo-Lo is one of the lightest epilators available. This, along with its small size, makes it truly portable.

- **Modular Design**

An efficient, solid state circuit design ensures precise and reliable operation, combined with long life.

- **Linear Thermolysis Output**

An exclusive "linear" design offers precision operator control over output current, eliminating uncertain intensity settings or loss of output.

- **Manual or Timed Thermolysis**

You can use either treatment method, selecting automatically timed Thermolysis at the touch of a switch. The **TIMER** control can be set to any interval from 0.1 second to 2 seconds.

- **Auto Repeat Timer (ART)**

This unique feature can be used in the Timed Thermolysis mode to automatically repeat each Thermolysis pulse as long as the footpedal is depressed. This simplifies the use of "progressive" epilation techniques.

- **Timer Alert**

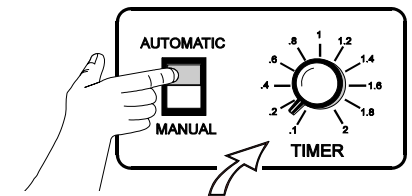
A built-in "beeper" can be used to alert you with a short tone at the end of each Timed Thermolysis pulse. This feature can be disabled if desired.

- **LED Bargraph Display**

A colorful lighted display instantly shows the selected output intensity of Thermolysis current.

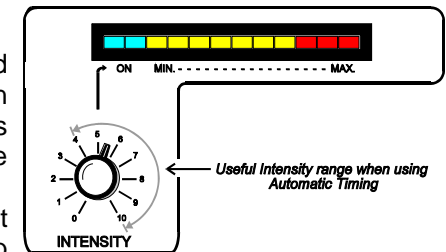
EPILATING: USING AUTOMATIC THERMOLYSIS

The **AUTOMATIC** Timed Thermolysis mode is used if you wish to have the Thermo-Lo precisely time your treatment intervals. To use this mode, press the upper half of the "**AUTOMATIC/MANUAL**" switch. Automatic timing is then adjusted using the **TIMER** knob.



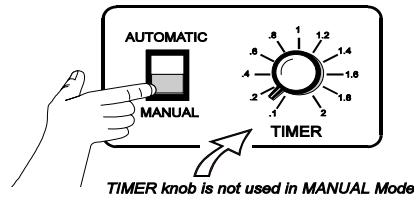
Set desired **TIMER** interval in **AUTO** Mode

- 1) Turn power on to the Thermo-Lo by pressing the **POWER** switch downward ("1" means ON).
When the Thermo-Lo is first turned on, it may momentarily produce output and beep. This is normal.
- 2) Set the **INTENSITY** control to zero ("0") when you first start out.
- 3) Select the **AUTOMATIC** mode by pressing up on the **AUTOMATIC/MANUAL** switch (shown above).
- 4) Set the **TIMER** knob to the desired timing interval as indicated on the knob (from .1 to 2 seconds). When first starting out, you should choose a short interval to avoid overtreatment.
- 5) Insert an epilation needle into a test follicle in the area you will be treating. Your patient should not feel any pain or discomfort with a proper insertion. Insert fully to the depth of the hair, being careful not to pierce the follicle.
Avoid shallow insertions, since this may cause current to miss the papilla, reducing effectiveness.
- 6) Tap the footpedal.
Thermolysis current will be applied automatically for the time interval set on the **TIMER** knob. While current is applied, the bargraph will indicate relative output.
When the interval is complete, current will shut off and the Thermo-Lo will beep once. If the hair requires more treatment, you may tap the pedal again to apply another pulse, or you can increase the **TIMER** setting for the next hair.
- 7) Adjust the Thermolysis **INTENSITY** knob to achieve an effective combination of timing and intensity. Higher intensities need shorter timing, while lower intensities need longer timing.
Remember that short timing (at higher intensities) can reduce pain and skin surface effects since it prevents heat from rising up the needle shaft.

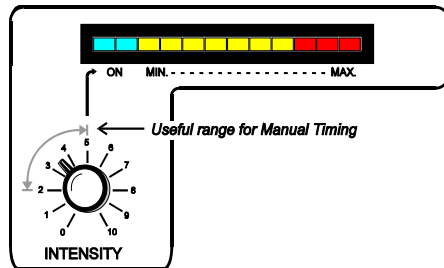


EPILATING: USING MANUAL THERMOLYSIS

The **MANUAL** Thermolysis mode is used if you wish to apply Thermolysis current for as long as you depress the footpedal. To use this mode, press the lower half of the "**AUTOMATIC/MANUAL**" switch. This selects the **MANUAL** mode.



- 1) Turn power on to the Thermo-Lo by pressing the POWER switch downward ("1" means ON).
When the Thermo-Lo is first turned on, it may momentarily produce output and beep. This is normal.
- 2) Set the INTENSITY control to zero ("0") when you first start out.
- 3) Select the **MANUAL** mode by pressing down on the **AUTOMATIC/MANUAL** switch (shown above). The **TIMER** knob is not used since output is manually controlled.
- 4) Insert an epilation needle into a test follicle in the area you will be treating. Your patient should not feel any pain or discomfort with a proper insertion. Insert fully to the depth of the hair, being careful not to pierce the follicle.
Avoid shallow insertions, since this may cause current to miss the papilla, reducing effectiveness.



- 5) Depress the footpedal.
The two leftmost green LED's in the bargraph will glow as long as the footpedal is depressed, indicating that current is available at the needle. You may begin to increase Thermolysis output current by slowing rotating the **INTENSITY** knob.
As intensity is increased, the bargraph display will begin to register the relative output. Unless your patient is very sensitive, he may not begin to feel current until the **INTENSITY** knob setting passes "2" or "3".
- 6) Once you have determined your patient's tolerance to Thermolysis current in this way, you may begin treatment. You should always be aware of your patient's reaction to treatment and adjust the intensity accordingly. Since Thermolysis is applied for as long as you depress the pedal, time your applications carefully to avoid overtreatment.
Remember that some follicles may be more sensitive to current than others in the same body area, so average your settings for best results.

INSTALLATION OF THE PRO-THERM EPILATOR

The complete Thermo-Lo system will include the epilator unit and the following accessories:

- (1) Coaxial probeholder (Standard long handle)
- (1) Package epilation probes
- (1) Single footpedal
- (1) Black self-adhesive "U-clip" for attaching probeholder to top of machine

IMPORTANT!

Locate the epilator near your treatment table where all controls are easily accessible. Plug the line cord into a 115 volt A.C. **grounded** wall receptacle (220 volt on special order only).

DO NOT USE "CHEATER" OR ADAPTER PLUGS. PROPER GROUNDING IS ESSENTIAL FOR SAFE AND PROPER OPERATION OF THIS DEVICE.

If your office is not equipped with wall sockets that accept 3-prong grounded plugs, contact an electrician who can install the correct sockets. For most efficient operation, you should NOT plug the epilator into a line that is shared by heavy appliances such as a refrigerator, air conditioner, etc.

Use of a computer surge-protector or regulator is recommended in areas where there are occasional "brown-outs", lightning strikes, or extreme voltage transients.

**PRECAUTIONS**

Do not allow flammables, liquids or metallic objects to get on or inside the epilator as this can cause damage. Do not clean the front panel with any solvents or harsh cleansers; use only a damp cloth moistened with water.

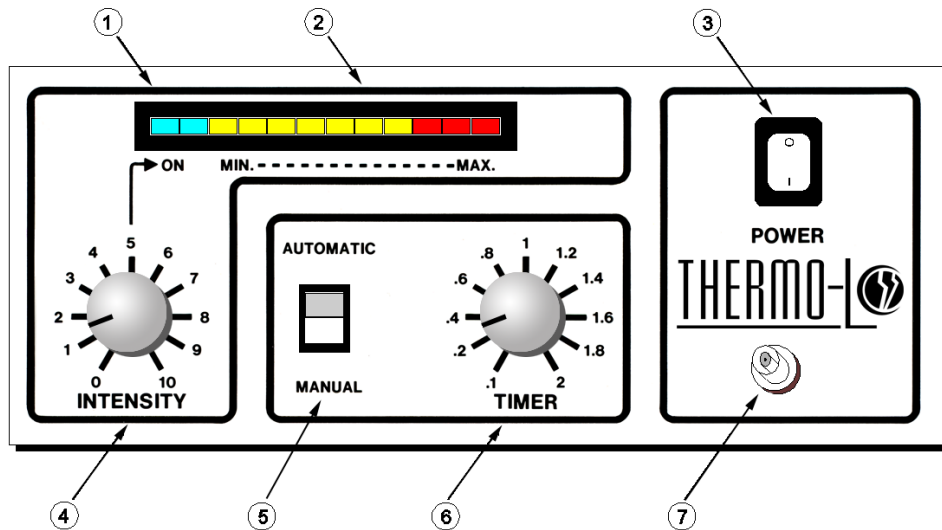
Never disassemble any part of the epilator. Always refer servicing to the factory. If you experience difficulties, call for advice or instructions.

Do not subject the epilator to excessive shock or vibration; do not use or store in places where temperature is over 105 degrees, or in high humidity.

Do not move or carry the unit by any attached cords.

Proper care and maintenance of the Thermo-Lo will assure many years of use.

Description of Thermo-Lo Panel Controls

**1 GREEN LED's**

The leftmost two green LED lamps in the bargraph will light when Thermolysis current is applied to the needle.

2 YELLOW and RED LED's

The 7 yellow and 3 red LED lamps indicate the relative intensity of Thermolysis current applied (set using the INTENSITY knob). The red portion of the bargraph generally indicates higher intensities for "FLASH" Thermolysis.

3 POWER SWITCH

Press the LOWER edge (marked "1") of this rocker-type switch to turn ON the epilator.

4 INTENSITY CONTROL

This knob is used to adjust the Thermolysis output intensity. The LED bargraph will indicate the relative setting for intensity when current is activated.

5 MANUAL/AUTOMATIC TIMER SWITCH

Set this rocker-type switch to the AUTOMATIC (up) position to use TIMED Thermolysis (interval is adjusted with TIMER knob). In the MANUAL (down) position, Thermolysis is applied as long as the pedal is depressed.

Panel Controls (Continued)

6 TIMER KNOB

When in the AUTOMATIC Timed Thermolysis mode (See switch 5), this knob is used to set the desired Thermolysis output interval, from .1 (one tenth) second to 2 seconds. Tapping the footpedal starts the interval, and Thermolysis will shut off automatically when the interval has elapsed. You may also press and hold the pedal until the interval is complete (see "Automatic Repeat Timer" on page 8).

7 PROBEHOLDER CONNECTOR

The "coaxial" type probeholder supplied with the Thermo-Lo is plugged into this socket. Attach the plug by pressing the silver connector onto the socket and then twisting *clockwise* to lock it into place.

8 TIMER ALERT SWITCH (Not shown - located on rear panel)

This rear panel switch can be used to turn off the audio alert that normally beeps at the end of each TIMED Thermolysis interval when in the AUTOMATIC mode.

GETTING STARTED

Before beginning a treatment with the Thermo-Lo, you should attach the supplied accessories as outlined below.

● INSTALL FOOTPEDAL

Plug the supplied footpedal into the receptacle located on the rear panel of the Thermo-Lo.

NOTE: Observe the orientation of the plug and press it FULLY into the socket. It will only fit one way. Be sure to locate the Thermo-Lo near your treatment table, since the pedal may become unplugged if the cord is pulled away.

● INSTALL PROBEHOLDER

Plug the supplied probeholder into the "coaxial" connector on the front panel. Press onto the connector and twist-lock into place.

● INSERT NEEDLE INTO PROBEHOLDER

Loosen the black cap on the probeholder about 1/2 to 3/4 turn and insert a needle, using tweezers, into the opening; *hold the probeholder horizontally to prevent the needle from falling into the opening*. Leave the desired portion of the needle exposed and twist the white cap clockwise to lock the needle in place. To remove the needle, simply loosen the cap and slide the needle out of the opening. You do NOT need to remove the black cap to install or remove a needle.