

USER'S MANUAL

APILUS SENIOR 3G

INT. VERSION



APILUS

SENIOR 3G

Apilus, **MicroFlash**, **MultiPlex**, **MultiBlend** and **OmniBlend** are registered trademarks of Dectro International
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INTERNATIONAL

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In this manual, the feminine is used for the purpose of conciseness only, with no intended discrimination.

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TABLE OF CONTENTS

INTRODUCTION

Safety Measures	5
Contraindications	7
Features	8
Limited Warranty	8

INSTALLATION

List of Accessories	9
Plugging you device	9

OPERATION

The Keyboard	11
Turning your Epilator On	12
Stand-by Mode	12
Choosing the Display Language	12
Setting Numerical Parameters	12
Setting Alphanumeric Parameters	12
Setting the Sound Signal	13
Entering the Salon Identification	13
Setting the Current Date and Time	13
Safety Features	14

TREATMENT MODES

SELECTING A TREATMENT MODE

THERMOLYSIS	14
MicroFlash	14
MultiPlex	15
Flash	16
Displaying $\&L$ Value	16
Current Circulation Signal	17
End-of-Treatment Signal	17

ELECTROLYSIS (GALVANIC)

Electrolysis	17
Current Circulation Signal	17
End-of-Treatment Signal	17

COMBINED CURRENTS (BLEND)

Pulsing Blend	18
OmniBlend	19
MultiBlend	20
Setting U.L. Values	21
Commutation Glv - HF	22
Current Circulation Signal	22
End-of-Treatment Signal	22

PRE/POST-TREATMENT

Anaphoresis and Cataphoresis	22
Current Circulation Signal	22

HAIR REMOVAL

TREATMENT PROGRAMS

VARIOUS FUNCTIONS

Footswitch/Automatic	25
Tolerance Test	26
Skin Moisture Test	27
Timer	27
Chronometer	27
Countdown	28
Alarm	28
Probeholder	28

BILLING SYSTEM

Configuration	29
Beginning of Treatment	32
End of Treatment	32
Displaying Statistics and Billed Amounts	32
Cumulative Statements	33

MAINTENANCE

AND SERVICE

General Maintenance	34
Accessory Test	34
Troubleshooting Guide	35
Customer Service	36

TECHNICAL SPECIFICATIONS

TERMINOLOGY

INTRODUCTION

Thank you for choosing a high-quality Apilus product. The Senior 3G model encompasses all the latest developments in the technology of permanent hair removal. Its microprocessor-controlled circuits guarantee the stability and precision of all electrical currents and allow the user to carry out comfortable and safe treatments.

The Apilus Senior 3G offers innovative techniques which undeniably increase the quality of care, such as the MultiPlex, MultiBlend and proportional pulse function. Furthermore, a number of treatment programs and cataphoresis programs have been included to cater to each specific area of the body. The Apilus Senior 3G also includes an easy-to-use billing system to manage your income.

Although the Apilus Senior 3G is relatively simple to use, we suggest you read this manual carefully to learn more about the operating procedures, the use and care of the Apilus Senior 3G and to consult the troubleshooting guide if any problems occur.

All Apilus products are manufactured to meet the industry's highest standards. They are guaranteed to be free from defects in material and workmanship. The warranty included with this unit details all the components that are covered by the warranty, the coverage period and applicable restrictions. All claims should be addressed to your distributor or directly to Dectro International.

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Warning!
**The Apilus is a needle type epilator and
must be used only for hair removal treatments
by certified electrologists.**

Safety Measures

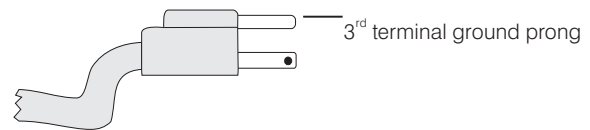
Warning!

This device may cause burns if the tip of the probe comes in contact with the skin's surface during the treatment.

To obtain optimal results from your Apilus, do not plug it into a circuit used by any other piece of equipment that consumes considerable amounts of electricity such as an air conditioner.

Warning!

Do not remove the third prong from the power cord plug. This prong is essential for your safety and ensures that the unit works properly. Without the prong, there is a risk of electric shock. You should also make sure that your outlet is correctly grounded. If you have any doubts, have your electrical installation checked by an electrician.



North American Standard

This device is intended for professional use only and should be operated by a qualified, certified person. If you are not familiar with certain techniques available with this device, we suggest you contact a recognized institution in order to upgrade your skills. Electrolysis can be carried out on any healthy normal skin.

Safety Measures



Do not store unit in a dusty environment.



Do not store unit in a damp environment. Keep away from water or other liquids that could damage it.



Do not replace the fuse with a different type. To avoid risk of electric shock or fire, be careful not to damage the power cord.



Do not add equipment which is not supplied by the manufacturer, and do not perform any modifications whatsoever. Do not attempt to disassemble unit. Refer all repairs to an authorized service center.



Avoid exposing the unit to direct sunlight or other sources of heat.



The Apilus Senior 3G and its accessories should remain out of the reach of children and unqualified personnel.



To clean, use a soft cloth and mild detergent. Harsh or volatile chemicals such as wax strippers could damage the finish.



Never use this device with defective accessories.



Use the original packaging to carry the unit.

Contraindications

General

- » Epilepsy with convulsions
- » First three months of pregnancy
- » Cancer, radiotherapy treatment, chemotherapy and remission (after 1 year without treatment and without medication and, mandatory with a doctor's authorization).
- » Hepatitis, HIV positive
- » Haemophilia
- » Accutane treatment (wait one year after the last treatment)
- » Puberty (wait one year after the first menstruations ask a signature of a parent if under 18 years old)
- » Multiple sclerosis (ask for Medical Clearance. Only Thermolysis)
- » Type 1 Diabetes
- » Cochlear implant
- » Pace Maker (ask for Medical Clearance. Only Thermolysis)

Local

- » Breast and abdomen of pregnant woman
- » Skin cancer
- » Phlebitis and thrombosis
- » Infection, local dermatitis (fungus, wart, cyst, etc.)
- » Hairy nevus (ask for Medical Clearance)
- » Any serious venous problem
- » Eyebrows
- » Inside of ears
- » Inside of nostrils
- » Erythema (inflammation, sun burn)
- » Genital herpes and cold sores
- » Neuralgia and local aches & pains

Galvanic Current

General

- » Paralysis
- » Pregnancy
- » Multiple sclerosis
- » Pace maker
- » Epilepsy
- » Cancer

Local

- » Metallic inclusion (intrauterine device, piercing, etc.)
- » Orthodontic Treatment (braces, prosthesis, bridges)
- » Thyroid gland disorder
- » Saline prosthesis
- » Contact lenses
- » Local paralysis

Precautions

- » Type 1 insulin-dependant Diabetes (no problem for type 2 diabetes. ask for Medical Clearance.)
- » Botox Injections, etc. (wait 15 days)
- » Hearing device (close it during treatment)

Dectro International cannot be help responsible for damage or accidents that might be incurred through improper use of the device.

Features

The Apilus Senior 3G encompasses all the latest developments in permanent hair removal technology. For example, thermolysis output power is 25% higher than our previous model. Another example is the new MicroFlash function, which allows the user to set the duration of treatment to a precision of 1 thousandth of a second. This high level of accuracy makes it possible to carry out high intensity treatments while maximizing the comfort of your client.

The Apilus Senior 3G includes a new protection circuit, called "Processor Sentinel" (PS), that constantly monitors the condition of the microprocessor. This circuit automatically interrupts the application of thermolysis current if it does not receive the microprocessor's command to proceed with treatment, thus greatly increasing the safety of thermolysis treatments.

The Apilus Senior 3G offers the user a wide variety of epilatory treatments. Its 1080 predefined treatment programs make it simple to use. Post-epilatory treatments are also easier with the Apilus Senior 3G, since a cataphoresis program has been combined with each epilatory treatment program. The user can change the proposed treatment parameters at any time, according to the sensitivity of the client. The electrologist can also save up to 60 personalized treatment programs in the unit's memory, and reactivate them if needed.

The Apilus Senior 3G also includes a new proportional thermolysis function. This function automatically adjusts the application time of MicroFlash when the user changes the quantity of pulses, thus maximizing the comfort of your client.

The Apilus Senior 3G is equipped with a billing system that can be displayed on screen. Hourly rates, minimum rates as well as applicable tax rates are all manually set. Furthermore, the Apilus Senior 3G calculates cumulative income and other statistics during a period of time that is preset by the user.

The Apilus Senior 3G is equipped with an 80-character liquid crystal display over two lines. This display presents the modes chosen, the programs selected, the treatment parameters, the billing amounts and the countdown or elapsed time for a treatment, as well as all the information needed to carry out a selected function. The screen is back-lit, making it easy to read in all light conditions.

The principal features of the Apilus Senior 3G are listed below:

Treatment modalities:

- » MicroFlash, MultiPlex, Flash
- » Pulsing Blend, OmniBlend, MultiBlend, Electrolysis
- » Anaphoresis and Cataphoresis
- » 1080 Hair removal programs classified by modality, body area, hair type and probe type (insulated or non-insulated) allowing an unparalleled efficiency and ease of use.)
- » 60 personalized epilatory treatment programs
- » 9 predefined cataphoresis programs
- » IMM-Pac technology
- » Proportional Pulse Function
- » Unique tolerance test for more comfortable Blend treatments
- » Skin moisture test
- » Protection circuit "Processor Sentinel" (PS)
- » U.L. key to calculate units of lye
- » Thermolysis "ⒺL" energy level key
- » Automatic mode for operation without footswitch
- » Accessory verification function
- » Treatment management software with cumulative income statements

- » Insertion counter that compiles the number of treated hairs and cumulative treatment time
- » 2 probeholder connectors

Limited Warranty

1. For a thirty-six (36) month period from the date of purchase, the electronic circuit board is guaranteed against defect (parts and labour included).
2. For a thirty-six (36) month period from the date of purchase, any defective part will be replaced and any defect in workmanship will be repaired at no charge.
3. All accessories are covered with a limited warranty of ninety (90) days from the date of purchase.
4. This limited warranty does not cover : a) the installation, b) exterior finish or trim, c) damage in transit, d) any charge required as a result of improper voltage supply or faulty or inadequate building wiring, e) damage caused by excessive or unreasonable use, abuse, misuse, modification, alteration or the removal or defacing of serial plate. Service done by a non-authorized person will void this warranty.
5. Neither the Manufacturer nor the Distributor is liable for special or consequential damage, resulting from any failure of the unit or from service delays or consequences caused by misuse or excessive use. This unit must be used by qualified trained operators only.
6. The terms and conditions of this warranty are not intended to limit any rights you may be entitled to under government or state legislation. You should consider this warranty to be an addition to any applicable legislation.
7. Service must be performed by the Manufacturer or by his Authorized Service Agent or Distributor. Any repair done or any replacement part provided under this warranty is warranted by the Manufacturer only to the expiration of the warranty period.
8. This warranty does not cover expenses involved in shipping from and to the service centre when the unit needs to be repaired. The owner must ship the appliance prepaid to the nearest authorized service centre. Dectro International, the Distributor or the Service Agent will not be responsible for packages lost or damaged in transit.
9. The Purchaser must complete the warranty card and mail it to the Manufacturer or the Distributor within twenty (20) days of purchase date.

INSTALLATION

Before proceeding with the installation and operation of your Apilus Senior 3G, we suggest you examine it carefully for any visible damage that may have occurred during shipment. If the box is damaged, please contact the shipping company with respect to any claims.

List of Accessories

Make sure all the accessories listed below are included in the package. If an accessory is missing, contact your distributor.

- » 1 regular probeholder (04-261)
- » 1 short probeholder (04-260)
- » 1 footswitch
- » 1 red cable (04-004)
- » 1 black cable (04-014)
- » 1 multi-electrode handpiece (04-01805)
- » 1 interchangeable roller electrode (04-01811)
- » 1 interchangeable dual-pronged electrode (04-01812)
- » 1 interchangeable disk electrode (04-01813)
- » 1 interchangeable stud electrode (04-01814)
- » 1 electrode and support (04-0034)
- » 1 bar electrode (04-015)
- » 1 spongelike ("spontex") cover for bar electrode (04-013)
- » plate electrode (04-01133)
- » 1 spontex (04-0122)

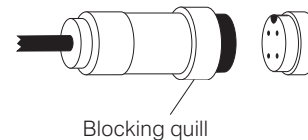
Plugging your Device

Install your Apilus Senior 3G on a solid table, about 77cm (30in.) high, for easy access to the keyboard. Refer to the figure on page 11 to identify all the components as you go through the different installation steps.

1. Plug the power cord receptacle (9) into the three-pronged power connector (6) located at the back of the unit.
2. Plug the other end of the power cord into a wall outlet (see warnings on page 5).
3. If your Apilus Senior 3G is equipped with a voltage selection switch (11), make sure the voltage indicated corresponds to the line voltage.

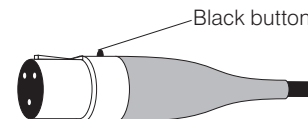
Footswitch

Plug the footswitch into the connector (12) located at the back of the unit. Apply gentle pressure to the connector as you tighten the blocking quill, making sure that the footswitch connector is correctly aligned with the connector on the epilator.



Probeholders

Plug the probeholders into the connectors located at the front of the unit (2, 3). The small black button should be pointing upwards. To remove the probeholder, press down on this black button with your thumb and pull the probeholder plug firmly. Rubber supports attached to each side under the epilator case hold the probeholders in place when not in use.



Banana-Plug Cables

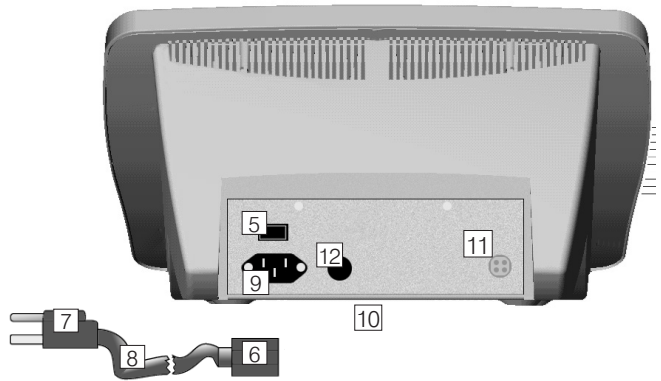
1. Plug one end of the red cable into the red connector (1) located at the front of the unit. Attach the bar electrode to the other end of the cable.
2. Plug one end of the black cable into the black connector (4) located at the front of the unit. Attach the Multifunction electrode handle to the other end of the cable.

Rubber supports attached to each side of the case hold the bar electrode and the roller electrode holder in place when they are not in use.

- 1) Inactive electrode connector
- 2) Probeholder A connector
- 3) Probeholder B connector
- 4) Multifunction electrode connector



- 5) On/off switch
- 6) Power connector
- 7) Power plug
- 8) Power cord
- 9) Power cord receptacle
- 10) Voltage selection switch (bottom of cabinet) (optional)
- 11) Footswitch connector
- 12) Fuse holder



OPERATION

This section explains where the different command keys and indicator lights are located. It also describes operating procedures, how to select initial settings as well as the general procedure used to enter personalized parameters.

The Keyboard

15) Treatment parameter keys

- a) H.F.
- b) Pulse
- c) Glv
- d) Timer
- e) Client
- f) Program

16) Automatic mode key

17) Treatment mode selection keys

- a) MicroFlash/MultiPlex/Flash
- b) Blend/OmniBlend/MultiBlend/Electrolysis
- c) Cataphoresis/Anaphoresis

18) Configuration key

19) Moisture test key

20) Tolerance test key

21) Probeholder selection key

22) Accessories test key

23) Units of lye and energy level key

24) Numeric keypad

25) Cursor displacement key

26) Operation key

27) Automatic mode indicator light

28) MicroFlash/MultiPlex/Flash selection indicator light

29) Blend/OmniBlend/MultiBlend/Electrolysis selection indicator light

30) Cataphoresis or Anaphoresis selection indicator light

31) Inactive electrode indicator light

32) Probeholder A indicator light

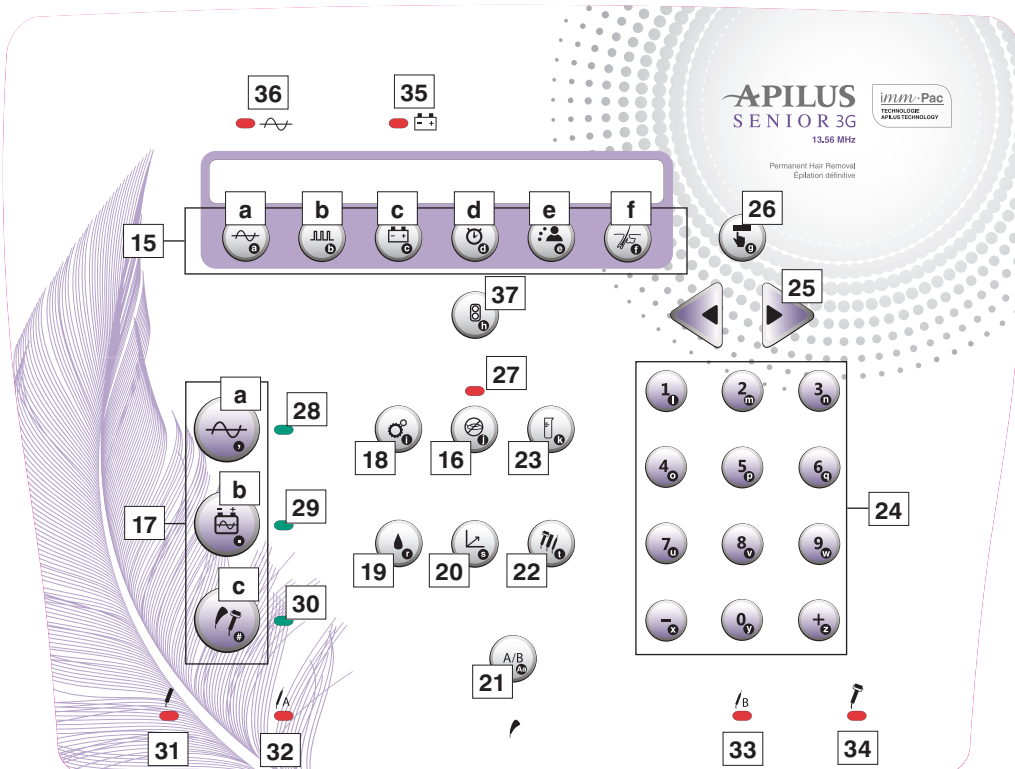
33) Probeholder B indicator light

34) Active electrode indicator light

35) Galvanic current indicator light

36) Thermolysis current indicator light

37) Timer Start/Stop key



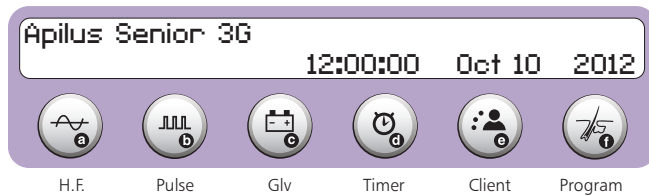
Turning your Epilator On

Power up your Apilus Senior 3G using the on/off switch (6) located on the right side at the back of the unit. The Apilus Senior 3G is automatically activated in stand-by mode, until you press a key or the footswitch. The stand-by mode is described below.

Stand-by Mode

The stand-by mode is activated every time you turn the Apilus Senior 3G on, or after the epilator remains inactive for 4 minutes and 15 seconds. This delay starts only after the timer has stopped.

In stand-by mode, the screen displays the name and phone number of your salon as well as the current date and time. The procedure used to enter this information in the Apilus Senior 3G's memory is described in the following sections. When the unit is activated for the first time, the model name is displayed on the first line, as shown below:

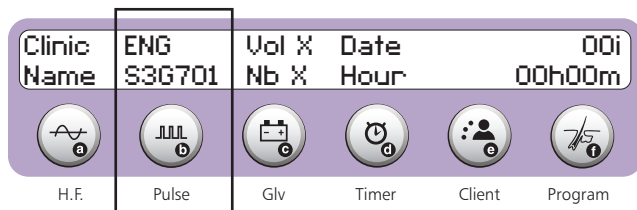


As soon as a key or the footswitch is pressed, the Apilus Senior 3G is activated in working mode. The name, phone number, date and time are replaced on screen by the parameters of the selected treatment. The first line displays which treatment mode is selected, and the second line displays all the parameters that can be set using the six keys located directly under the screen.

Choosing the Display Language

Your Apilus Senior 3G is factory-set to display messages in English. You can choose another display language by following the procedure described below.

Press the **Configuration (18)** key to choose the display language. The following message appears on screen:



Successive pressures on the **Pulse (15b)** key display the available languages:

French (FRA), English (ENG), Spanish (ESP), Italian (ITA), German (DEU), Dutch (NED), Portuguese (POR), Turkish (TR), Polish (POL).

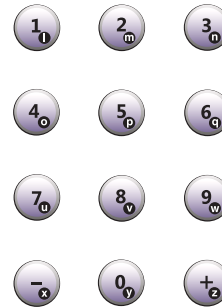
When the screen displays the language you wish to work in, press the footswitch to complete the selection procedure.

The selected display language is stored in memory and will remain in effect until it is changed.

Setting Numerical Parameters

All treatment parameters and timer settings are numerical values. The procedure described below is used to set all numerical parameters on the Apilus Senior 3G.

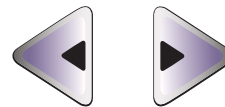
Pressing a number key enters the selected figure at the cursor prompt. The cursor then moves to the next figure, or validates the parameter value once it reaches the end of the field.



Pressing the **-** key decreases the figure at the cursor by 1. If the figure at the cursor is 0 but is part of a number, the figure preceding the one at the cursor will also be reduced by 1.



Pressing the **+** key increases the figure at the cursor by 1. If the figure at the cursor is 9 but is part of a number, the figure preceding the one at the cursor will also be increased by 1.



Pressing the **◀ (25)** key moves the cursor to the left without modifying the figure. Pressing the **▶ (25)** key moves the cursor to the right without modifying the figure.

Pressing the footswitch validates the parameter value displayed on screen.

Setting Alphanumeric Parameters

The stand-by mode and management (billing) system require sequences of alphabetical and numerical characters. The procedure described below is used to enter and edit all types of text.

Most of the keys on the keyboard have been assigned an alphabetical value or punctuation mark. This value appears on the upper left corner of the key. The Apilus Senior 3G automatically activates this alphabetical value when it is required to execute a function.



A second set of characters, listed below, is available when pressing the **#** key. The cursor becomes a flashing “#” sign. Pressing this key again reactivates the first set of characters. The cursor returns to the original flashing rectangle.

Normal	#	Normal	#
A	!	P	5
B	Space	Q	6
C	#	R	@
D	\$	S	/
E	%	T	=
F	&	U	7
G	?	V	8
H	*	W	9
I	<	X	•
J)	Y	0
K	(Z	+
L	1	.	.
M	2	.	.
N	3	Aa	No effect
O	4		

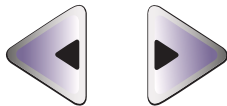
Pressing the **Aa** key activates lower case characters. Pressing this key again reactivates the upper case keys.



Pressing one of the keys with a character in the lower right corner enters the character at the cursor prompt. The cursor then moves to the next character, or validates the text once it reaches the end of the field.



Pressing the **◀ (25)** key erases the character at the cursor and moves the cursor to the left. Pressing the **▶ (25)** key moves the cursor to the right without modifying the character at the cursor.

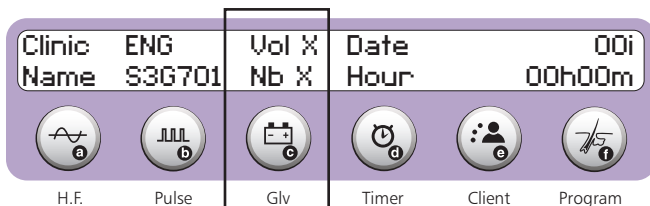


Pressing the footswitch validates the text displayed on screen.

Setting the Sound Signal

The Apilus Senior 3G has a tone-emitting feature that lets the user know what activity the epilator is engaged in. Sound signals can be emitted in two (2) different tonalities and at ten (10) volume levels. The sound signal is factory-set at a volume of 5 and at 2 tonalities. You can change the tone settings by following the procedure described below.

Press the **Configuration (18)** key. The following message appears on screen:



Press the **Glv (15c)** key to set the volume level (Vol) indicated by the

cursor. Simply enter the desired value. Selecting level 0 will deactivate the sound signal.

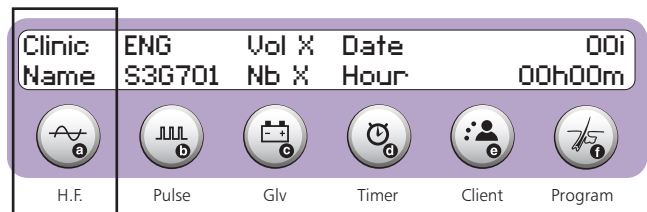
Then you need to configure how many sounds you want from your unit during the operation. The number of sounds can be set between 0 and 2. If 0 is selected, sound is issued only when you press a key on the keyboard. If 1 is selected, a sound is added at the end of each pulse whatever the chosen mode. If 2 is selected, a different sound also adds to the end of thermolysis pulses in Blend mode.

The settings for the sound signal are stored in memory and will remain in effect until they are changed.

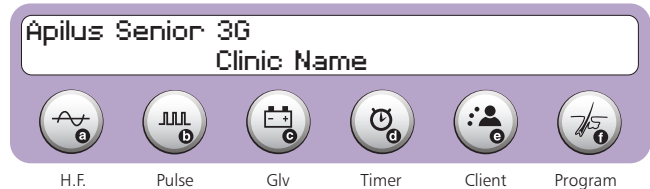
Entering the Salon Identification

The Apilus Senior 3G is factory-set to display the model of the unit when it is in stand-by mode. You should change this to display instead the name and phone number of your salon. The name and phone number of the salon appear every time the unit is turned on. The procedure to follow is described below.

Press the **Configuration (18)** key. The following message appears on screen:



Press the **H.F. (15a)** key to enter your salon name and phone number. The current salon name and number appear on screen and the cursor is located on the first character of the first line.



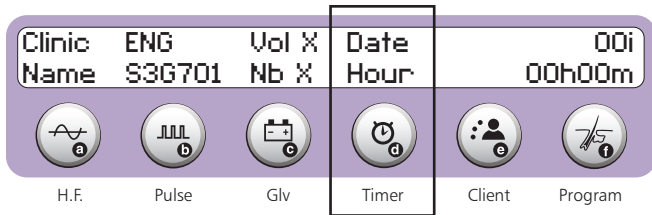
Enter the name of your salon, using up to 20 characters. When you reach the 21 character, the cursor becomes a flashing "#" sign and the second set of characters is automatically activated. You can then enter the phone number of your salon, using up to 19 characters. Press the **#** key if you wish to return to the first set of characters.

Setting the Current Date and Time

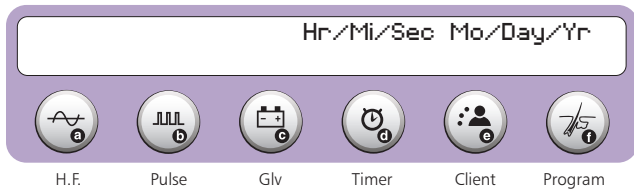
The Apilus Senior 3G is equipped with a calendar/time clock, which functions even when the unit is not in service. The date and time are displayed in stand-by mode. They are also used by the billing system.

The date and time are factory-set according to the local time zone. If you need to modify these settings, simply follow the procedure described below.

Press the **Configuration (18)** key. The following message appears on screen.



Press the **Timer (15d)** key to set the date and time. The Apilus Senior 3G displays the current date and time, as shown below. The cursor is located on the first figure of the current time setting.



Simply enter the desired time and date. You must use only numerical values for all fields, including the month.

Safety Features

The Apilus Senior 3G includes safety features that can interrupt the flow of current at any time during treatment. When the current is activated with the footswitch, its flow can be stopped immediately by simply releasing the footswitch.

When the current is activated automatically, simply pressing the footswitch or any key on the keyboard interrupts the flow of current. This feature can be very useful in certain situations when it is necessary to stop treatment and remove the probe from the follicle before the programmed time has elapsed.

TREATMENT MODES

SELECTING A TREATMENT MODE

The Apilus Senior 3G provides several modes of treatment: MicroFlash, MultiPlex, Flash and combined currents using pulsing Blend, OmniBlend or Multiblend and Electrolysis. The Apilus Senior 3G also offers the possibility of providing pre-epilatory and post-epilatory treatments (anaphoresis and cataphoresis). The main treatment methods are briefly described below.

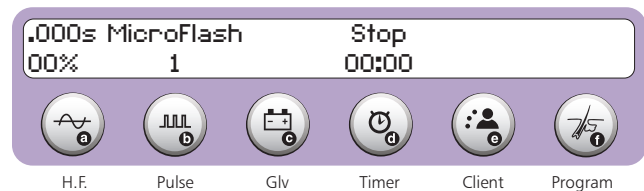
THERMOLYSIS

MicroFlash

This technique applies very high intensities during extremely short periods of time (a few thousandths of a second). The added power of the Apilus Senior 3G allows the use of this technique for very sensitive clients while offering maximum comfort.

Selection

The selection of MicroFlash is performed by pressing successively the **MicroFlash/MultiPlex/Flash (17a)** key, until the desired mode appears on screen:

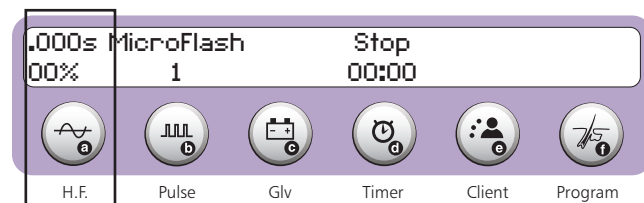


Settings

Intensity and Pulse Duration

The pulse duration can be set between .000 and .999 second. The intensity can be set between 0% and 99%.

Press the **H.F. (15a)** key to set the intensity and pulse duration. The pulse duration appears on the first line of the display, and the intensity appears on the second line. The cursor is located on the first figure of the pulse duration field.



The desired values can be typed in using the keyboard.

It is possible to modify the intensity of the thermolysis current between applications without pressing the **H.F. (15a)** key, using only the **+** and **-** keys.

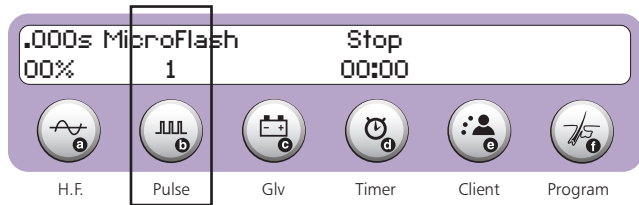


Press the **+** key to increase the intensity by 1%. Holding the key down will rapidly increase the intensity. Press the **-** key to decrease the intensity by 1%. Holding the key down will rapidly decrease the intensity.

Number of Pulses

The pulse used in MicroFlash can be repeated up to 9 times. The number of pulses is factory-set at 1. This setting can be modified. The Apilus Senior 3G is equipped with a proportional thermolysis function, which automatically compensates the duration of pulses when the number of pulses is modified. The selected number of pulses is stored in memory and will remain in effect until it is changed.

Press the **Pulse (15b)** key to set the number of pulses. The cursor is located on the number of pulses in effect.



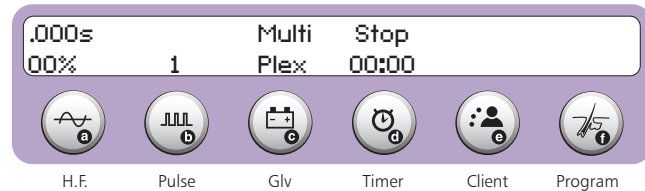
The desired number of pulses can be typed in using the keyboard.

MultiPlex

The MultiPlex technique consists in initially applying a low-intensity thermolysis current, which warms the tissues and increases their electric conductivity, then applying a brief high-intensity thermolysis current pulse in order to destroy the germ cells responsible for hair growth. This results in more efficient treatments.

Selection

The selection of MultiPlex is performed by pressing successively the **MicroFlash/MultiPlex/Flash (17a)** key, until the desired mode appears on screen:

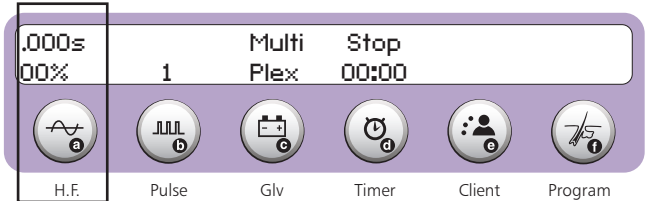


Settings

Intensity and Pulse Duration

The pulse duration can be set between 0.000 and 0.999 second. The intensity can be set between 0% and 99%.

Press the **H.F. (15a)** key to set the intensity and pulse duration. The pulse duration appears on the first line of the display, and the intensity appears on the second line. The cursor is located on the first figure of the pulse duration field.



The desired values can be typed in using the keyboard.

It is possible to modify the intensity of the thermolysis current between applications without pressing the **H.F. (15a)** key, using only the **+** and **-** keys.

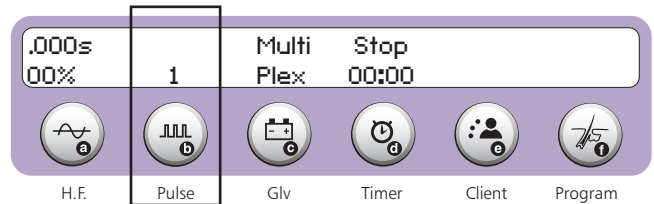


Press the **+** key to increase the intensity of MultiPlex by 1%. Holding the key down will rapidly increase the intensity. Press the **-** key to decrease the intensity of MultiPlex by 1%. Holding the key down will rapidly decrease the intensity.

Number of Pulses

The pulse used in MultiPlex can be repeated up to 9 times. The number of pulses is factory-set at 1. This setting can be modified. The Apilus Senior 3G is equipped with a proportional thermolysis function, which automatically compensates the duration of pulses when the number of pulses is modified. The selected number of pulses is stored in memory and will remain in effect until it is changed.

Press the **Pulse (15b)** key to set the number of pulses. The cursor is located on the number of pulses in effect.

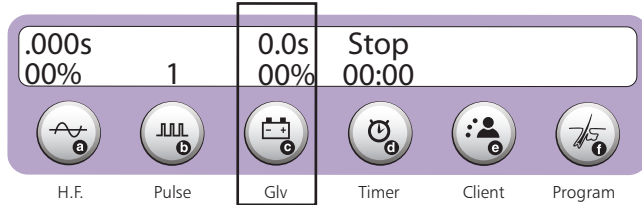


The desired number of pulses can be typed in using the keyboard.

Warming Period Intensity and Duration

The duration of the warming period can be set between 0.0 and 9.9 seconds. The intensity can be set between 0% and 29%.

Press the **Glv (15c)** key to set the intensity and duration of the warming. The duration appears on the first line of the display, and the intensity appears on the second line. The cursor is located on the first figure of the duration field.



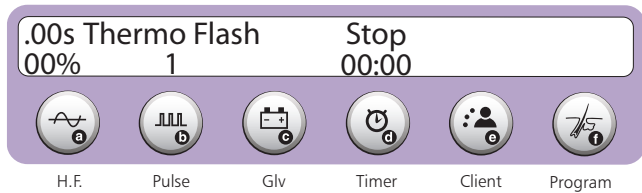
The desired values can be typed in using the keyboard.

Flash

Flash applies high intensity for a short period of time (in hundredths of a second). The Apilus Senior 3G provides the high precision offered by computer technology and is powerful enough to ensure remarkable results from Flash.

Selection

The selection of Flash is performed by pressing successively the **MicroFlash/MultiPlex/Flash (17a)** key, until the desired mode appears on screen:

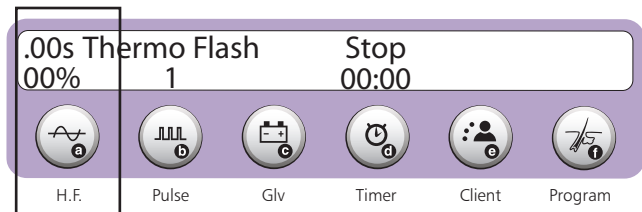


Settings

Intensity and Pulse Duration

The pulse duration can be set between 0.00 and 0.99 second. The intensity can be set between 0% and 99%.

Press the **H.F. (15a)** key to set the intensity and pulse duration. The pulse duration appears on the first line of the display, and the intensity appears on the second line. The cursor is located on the first figure of the pulse duration field.



The desired values can be typed in using the numeric keypad.

It is possible to modify the intensity of thermolysis current between applications without pressing the **H.F. (15a)** key, using only the **+** and **-** keys.

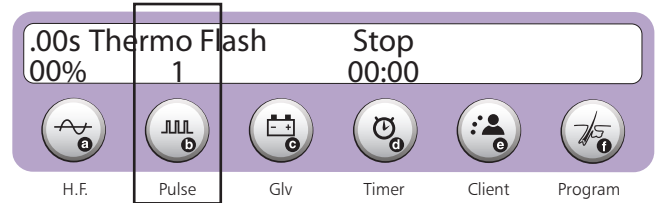


Press the **+** key to increase the intensity by 1%. Holding the key down will rapidly increase the intensity. Press the **-** key to decrease the intensity by 1%. Holding the key down will rapidly decrease the intensity.

Number of Pulses

The pulse used in Flash can be repeated up to 9 times. The number of pulses is factory-set at 1. This setting can be modified. The selected number of pulses is stored in memory and will remain in effect until it is changed.

Press the **Pulse (15b)** key to set the number of pulses. The cursor is located on the number of pulses in effect.



The desired number of pulses can be typed in using the keyboard.

Displaying $\mathcal{E}L$ Values

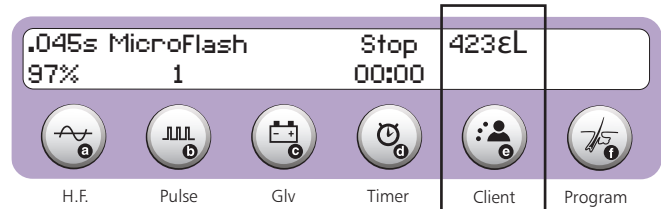
The Apilus Senior 3G contains a function that allows you to calculate calorific units, represented by $\mathcal{E}L$ and defined as follows:

$$\mathcal{E}L = \text{Time (sec.)} \times \text{intensity}^2 (\%) \times \text{number of pulse}$$

Hair	$\mathcal{E}L$ Non-insulated probe	$\mathcal{E}L$ Insulated probe
Fine	200 $\mathcal{E}L$	175 $\mathcal{E}L$
Medium	400 $\mathcal{E}L$	350 $\mathcal{E}L$
Coarse	600 $\mathcal{E}L$	525 $\mathcal{E}L$
Extra Coarse	800 $\mathcal{E}L$	700 $\mathcal{E}L$

Therefore, the calorific value of a treatment is equal to the product of the duration of application, the number of pulses and the square of the intensity.

When it is activated, the calorific value appears on the first line of the display.



Pressing the **U.L./&L (23)** key allows you to display the calorific value of a treatment.



Current Circulation Signal

The thermolysis current activation indicator light (36) comes on while the Apilus Senior 3G supplies the probe with thermolysis current.

End-of-Treatment Signal

The end of treatment is signalled when the epilator emits a low tone. For this function to be in effect, the sound volume must be set higher than zero and the number of tonalities must be set at one or two. Please note that there is no signal to indicate the end of a pulse sequence.

ELECTROLYSIS (GALVANIC)

The Apilus Senior 3G can be used to carry out treatments using galvanic current. The following paragraphs explain the settings that can be selected for electrolysis.

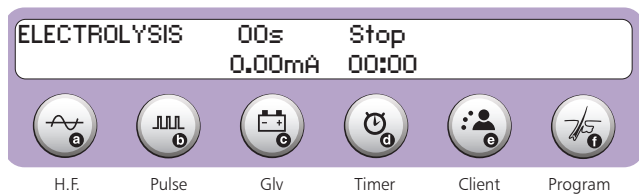
Electrolysis consists in applying continuous (galvanic) current to a hair follicle. The current reacts with the salt water contained in the follicle and produces caustic soda (lye). The caustic soda destroys the germ cells at the hair root and thus prevents regrowth. Electrolysis yields excellent results, but it requires more time to apply than other methods.

When the galvanic method is used, it is important that the inactive electrode (bar electrode or plate electrode) always be in contact with the client's skin. This electrode should be placed as close as possible to the area to be treated. We recommend that you cover the bar electrode with a spongelike covering ("spontex") or a compress, both soaked in water in order to obtain optimal contact.

Electrolysis

Selection

The selection of Electrolysis is performed by pressing successively the **Blend/OmniBlend/MultiBlend/Electrolysis (17b)** key, until the Electrolysis mode appears on screen:

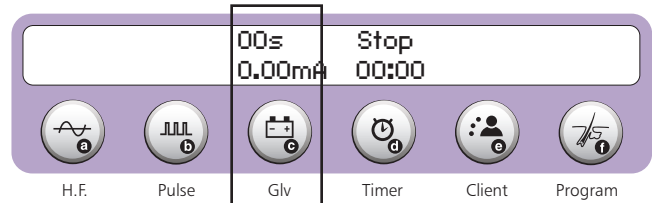


Settings

Intensity and Treatment Duration

To ensure the comfort of your client, it is preferable to perform a tolerance test to set the intensity of the galvanic current, as described in the previous pages. However, it is also possible to set the current intensity manually.

Press the **Glv (15c)** key to set the duration and intensity of the galvanic current. The cursor will be located on the first figure of the duration currently in effect.



The first two figures indicate the duration, in seconds, of galvanic current application. The maximum setting for treatment duration in this mode is 99 seconds. The third, fourth and fifth figures on display indicate the intensity, in mA, of the galvanic current, to a maximum intensity of 1.99mA.

It is possible to modify the treatment duration between applications without pressing the **Glv (15c)** key, using only the **+** and **-** keys.



Press the **+** key to increase by 1 second. Holding the key down will rapidly increase. Press the **-** key to decrease by 1 second. Holding the key down will rapidly decrease.

Current Circulation Signal

The galvanic current activation indicator light (35) comes on while the Apilus Senior 3G supplies the probe with a galvanic current. This signal does not necessarily indicate that current is actually flowing between the probe and the inactive electrode.

End-of-Treatment Signal

The end of treatment is signalled when the epilator emits a high pitch. For this function to be in effect, the sound volume must be set higher than zero and the number of tonalities must be set at one or two.

COMBINED CURRENTS (BLEND)

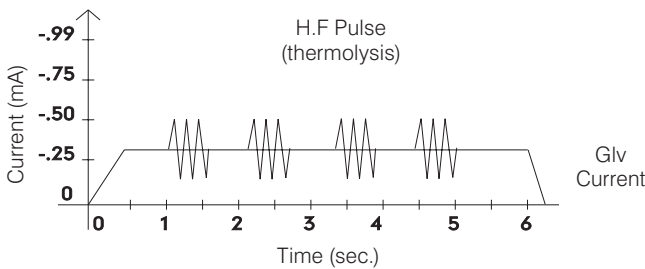
The Blend method makes it possible for the electrologist to combine the efficiency of galvanic current with the heat of high-frequency current so that treatment time can be reduced. There are several ways of applying the Blend technique and of blending the two types of current. Your Apilus Senior 3G epilator offers a vast array of possibilities and its currents are constantly monitored by computer, making treatments remarkably efficient and comfortable. Treatment possibilities are divided into three principal techniques: pulsing Blend, OmniBlend and MultiBlend.

It is important that the inactive electrode (bar electrode or plate electrode) be in constant contact with the client's skin, since a galvanic current must be flowing when the Blend is applied. This electrode should be placed as close as possible to the area to be treated. To maintain optimal contact, we suggest you cover the bar electrode with a sponge-like ("spontex") covering or a compress that have been soaked in water.

Before using the Blend electrolytic method, it is essential that you fully understand and master both techniques involved, that is, thermolysis (high-frequency current) and electrolysis (galvanic current). If you are not familiar with the Blend method, we suggest you contact a recognized institution to upgrade your skills.

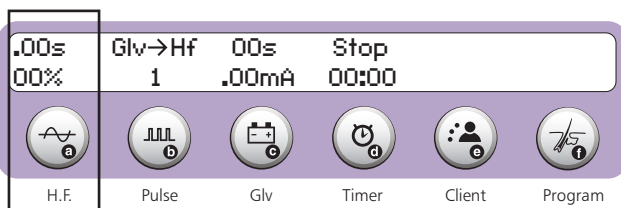
Pulsing Blend

As its name indicates, pulsing Blend superimposes thermolysis pulses on a galvanic current. The number of pulses, their duration and intensity are entirely adjustable, as are the duration and intensity of the galvanic current.



Selection

The selection of Pulsing Blend mode is performed by pressing successively the **Blend/OmniBlend/MultiBlend/Electrolysis (17b)** key, until the Pulsing Blend mode appears on screen:

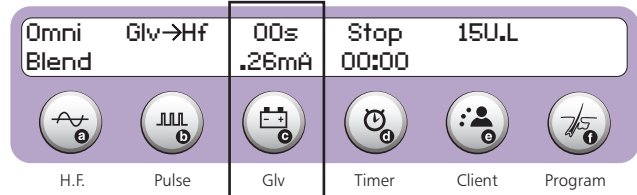


Settings

Galvanic Current Intensity and Total Duration

To ensure the comfort of your client, it is preferable to perform a tolerance test to set the intensity of the galvanic current. However, it is also possible to set the current intensity manually.

Press the **Glv (15c)** key to set the total duration of treatment and the intensity of the galvanic current. The cursor will be located on the first figure of the duration currently in effect.



The first two figures indicate the treatment duration in seconds. The maximum setting for treatment duration in this mode is 99 seconds. The third and fourth figures on display indicate the intensity, in milliamperes, of the galvanic current, to a maximum intensity of .99mA.

It is possible to modify the treatment duration between applications without pressing the **Glv (15c)** key, using only the **+** and **-** keys.

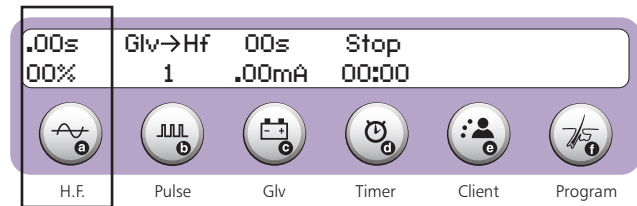


Press the **+** key to increase by 1 second. Holding the key down will rapidly increase. Press the **-** key to decrease by 1 second. Holding the key down will rapidly decrease.

Thermolysis Intensity and Pulse Duration

The duration of thermolysis pulses can be set between 0.00 and 0.99 second. The pulse intensity can be set between 0% and 99%.

Press the **H.F. (15a)** key to set the intensity and pulse duration. The pulse duration appears on the first line of the display, and the intensity appears on the second line. The cursor is located on the first figure of the pulse duration field.

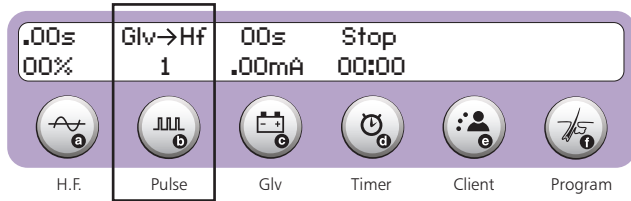


The desired values can be typed in using the keyboard.

Number of Thermolysis Pulses

The thermolysis pulse can be repeated up to 9 times. The number of pulses is factory-set at 1. This setting can be modified. The selected number of pulses is stored in memory and will remain in effect until it is changed.

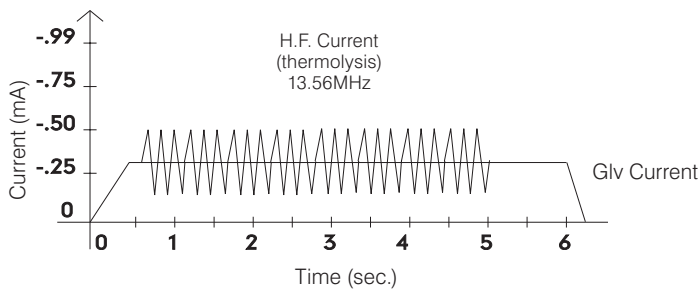
Press the **Pulse (15b)** key to set the number of pulses. The cursor is located on the number of pulses in effect, as shown below.



The desired number of pulses can be typed in using the keyboard.

OmniBlend

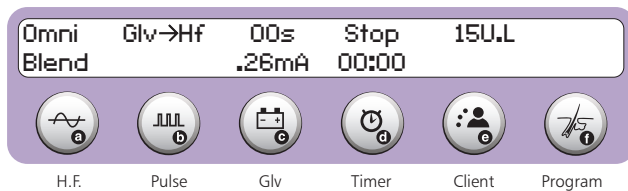
The OmniBlend technique is exclusive to Apilus. It simultaneously applies a thermolysis current and an electrolysis current, so that heat is supplied evenly throughout the entire treatment.



The intensity of the galvanic current and the duration of treatment can be adjusted manually. The computer in the Apilus Senior 3G automatically calculates the appropriate intensity of thermolysis current to be applied with the selected settings. However, it is possible for the user to determine the maximum level of intensity that can be reached by the thermolysis current.

Selection

The selection of OmniBlend mode is performed by pressing successively the **Blend/OmniBlend/MultiBlend/Electrolysis (17b)** key, until the OmniBlend mode appears on screen:

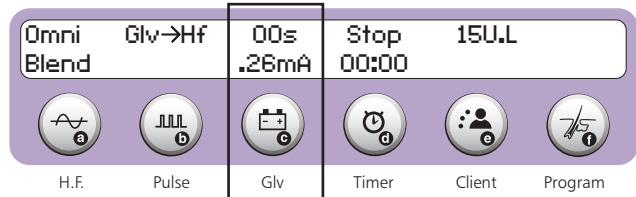


Settings

Galvanic Current Intensity and Total Duration

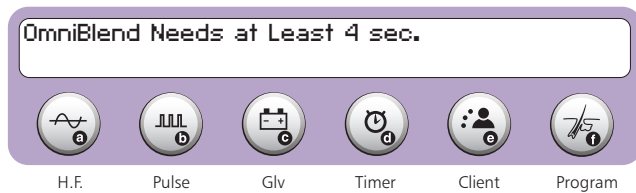
To ensure the comfort of your client, it is preferable to perform a tolerance test to set the intensity of the galvanic current. However, it is also possible to set the current intensity manually.

Press the **Glv (15c)** key to set the total duration of treatment and the intensity of the galvanic current. The cursor will be located on the first figure of the duration currently in effect.



The first two figures indicate the treatment duration in seconds. The maximum setting for treatment duration in this mode is 99 seconds. The third and fourth figures on display indicate the intensity, in milliamperes, of the galvanic current, to a maximum intensity of 0.99mA.

The Omnblend mode requires at least 4 seconds to carry out a treatment. If the selected duration is less than 4 seconds, the Apilus Senior 3G displays the following message until the footswitch is pressed, and automatically resets the duration to 4 seconds.



It is possible to modify the treatment duration between applications without pressing the **Glv (15c)** key, using only the + and - keys.

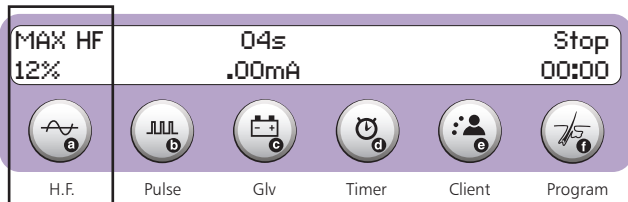


Press the + key to increase by 1 second. Holding the key down will rapidly increase. Press the - key to decrease by 1 second. Holding the key down will rapidly decrease.

Thermolysis Maximum Intensity

Your Apilus Senior 3G is factory-set so that the thermolysis intensity does not exceed 12%. You can change this limit of intensity by following the procedure described below. A higher maximum intensity makes it possible to carry out treatments more rapidly than a low intensity does. On the other hand, treatments are more comfortable when the intensity is weak.

Press the **H.F. (15a)** key to set the maximum intensity of thermolysis. The maximum value currently in effect appears on screen, as illustrated below:

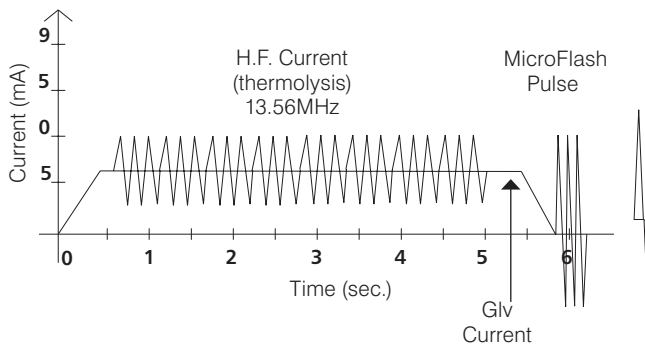


Simply type in the desired value for maximum intensity at the cursor prompt. The maximum intensity of thermolysis cannot exceed 19% in this mode.

The selected maximum thermolysis intensity is stored on the memory card and will remain in effect until it is changed.

MultiBlend

The MultiBlend technique, also exclusive to the Apilus Senior 3G, is a combination of OmniBlend and MicroFlash. This technique simultaneously applies a galvanic current and a MultiPlex current (weak intensity warming current with a final high-intensity pulse). As in the OmniBlend technique, heat is supplied evenly throughout the entire treatment.



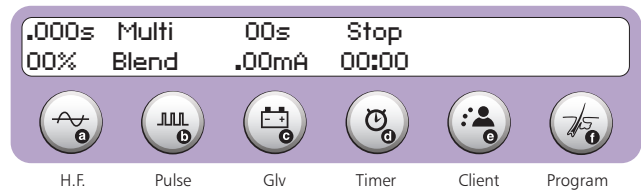
The intensity and duration of application of the galvanic current are manually adjustable. The computer in the Apilus Senior 3G automatically calculates the appropriate intensity of the warming thermolysis current to be applied with the selected settings.

However, it is possible for the user to specify the maximum level of intensity that can be reached by the warming thermolysis current, as well as which current is used to initiate treatment.

Finally, the intensity and duration of the final thermolysis pulse are adjustable using the **H.F. (15a)** key.

Selection

The selection of MultiBlend mode is performed by pressing successively the **Blend/OmniBlend/MultiBlend/Electrolysis (17b)** key, until the MultiBlend mode appears on screen:

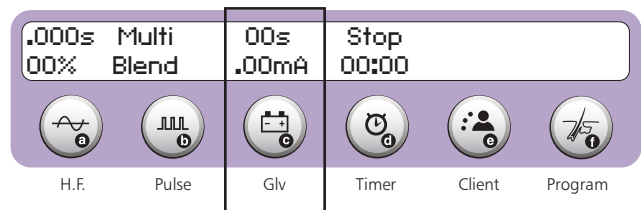


Settings

Galvanic Current Intensity and Total Duration

To ensure the comfort of your client, it is preferable to perform a tolerance test to set the intensity of the galvanic current. However, it is also possible to set the current intensity manually.

Press the **Glv (15c)** key to set the total duration of treatment and the intensity of the galvanic current. The cursor will be located on the first figure of the duration currently in effect.



The first two figures indicate the treatment duration in seconds. The maximum setting for treatment duration in this mode is 99 seconds. The third and fourth figures on display indicate the intensity, in milliamperes, of the galvanic current, to a maximum intensity of .99mA.

The MultiBlend mode requires at least 4 seconds to carry out a treatment. If the selected duration is less than 4 seconds, the Apilus Senior 3G displays the following message until the footswitch is pressed, and automatically resets the duration to 4 seconds.



It is possible to modify the treatment duration between applications without pressing the **Glv (15c)** key, using only the **+** and **-** keys.

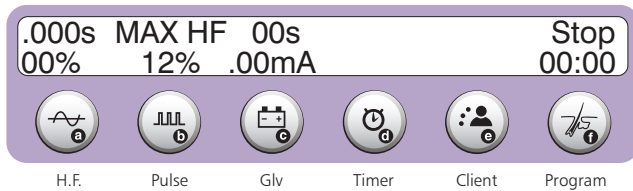


Press the **+** key to increase by 1 second. Holding the key down will rapidly increase. Press the **-** key to decrease by 1 second. Holding the key down will rapidly decrease.

Thermolysis Maximum Intensity

Your Apilus Senior 3G is factory-set so that the thermolysis intensity does not exceed 12%. You can change this limit of intensity by following the procedure described below. A higher maximum intensity makes it possible to carry out treatments more rapidly than a low intensity does. On the other hand, treatments are more comfortable when the intensity is weak.

Press the **Pulse (15b)** key to set the maximum intensity of thermolysis. The maximum value currently in effect appears on screen, as illustrated below:



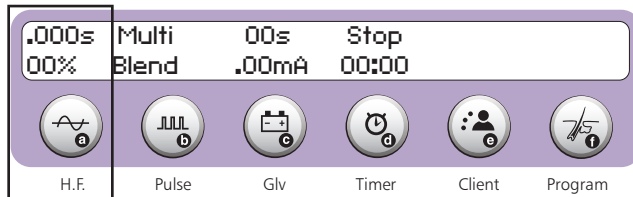
Simply type in the desired value for maximum intensity at the cursor prompt. The maximum intensity of thermolysis cannot exceed 19% in this mode.

The selected maximum thermolysis intensity is stored on the memory card and will remain in effect until it is changed.

Intensity and Duration Rapid Thermolysis Final pulse

Press the **H.F. (15a)** key to set the intensity and duration of the final thermolysis pulse. The pulse duration appears on the first line of the display, and the intensity appears on the second line. The cursor is located on the first figure of the pulse duration field.

The duration of thermolysis pulses can be set between 0.000 and 0.999 second. The pulse intensity can be set between 0% and 99%.



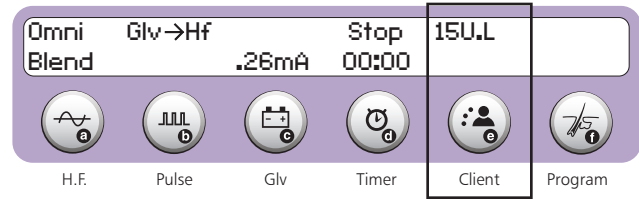
The desired values can be typed in using the keyboard.

Setting U.L. Values

The Apilus Senior 3G includes a function that allows you to set and calculate units of lye, represented by U.L.. A unit of lye is defined as the quantity of caustic soda produced in a follicle in reaction to the flow of galvanic current, or:

$$\text{U.L.} = \text{intensity (mA)} \times \text{time (sec.)} \times 10$$

The two factors controlling the quantity of caustic soda produced are the current intensity and the duration of application. Units of lye are displayed on the first line of the screen, as shown below. Please note that in this case the treatment duration is not displayed.

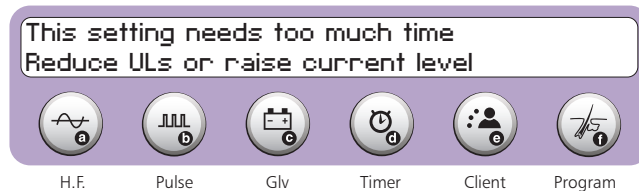


Press the **U.L./EL (23)** key to activate the display of U.L. values.



Pressing this key allows you to display the U.L. value of a treatment. The cursor is located on the first figure of the U.L. value. It is possible to modify the number of units of lye associated with a particular Blend treatment. Pressing this key again without modifying the value deactivates the U.L. function, and treatment duration now appears on display.

Modifying the number of units of lye will modify the duration of treatment, not the intensity of the galvanic current, in order to respect the client's tolerance level. Modifying the U.L. value will not affect the settings for thermolysis current or the number of pulses. When the amount of units of lye entered exceeds the equivalent of 99 seconds of treatment time, the Apilus Senior 3G displays the following on screen:



In this case, the U.L. setting is not modified. The message disappears when the footswitch is pressed and the initial setting is restored.

It is possible to modify the U.L. value between applications without pressing the **U.L./EL (23)** key, using only the + and - keys.



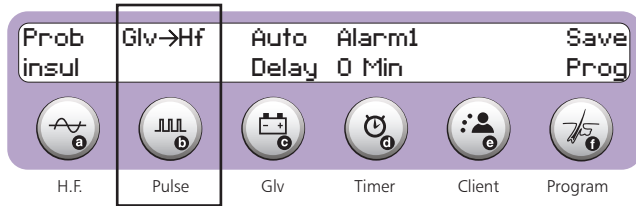
Press the + key to increase by 1. Holding the key down will rapidly increase. The maximum is set at 99. Press the - key to decrease by 1. Holding the key down will rapidly decrease.

Units of Lye Charts				
Hair	Fine	Medium	Coarse	Very Coarse
Quantity	20U.L.	40U.L.	60U.L.	80U.L.

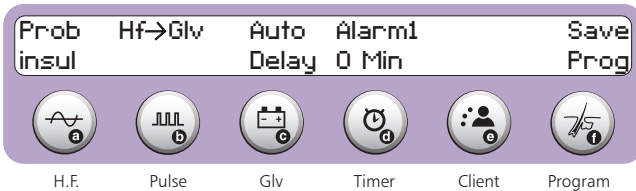
Commutation Glv - HF

Your Apilus Senior 3G is factory-set so that treatment begins with the application of galvanic current. You can change this setting if you wish. This modification can be carried out only when the Blend, OmniBlend or MultiBlend modes are selected.

Press the **Operation (26)** key to select the starting current. The following display appears on screen:



Press the **Pulse (15b)** key to change the selection. The screen displays the following message for a short period of time and then returns to its normal appearance:



To change the starting current again, simply follow the same procedure.

Current Circulation Signal

The thermolysis current activation indicator light (36) comes on while the Apilus Senior 3G supplies the probe with a thermolysis current. At the same time, the galvanic current activation indicator light (35) comes on while the unit supplies the probe with a galvanic current. However, this signal does not necessarily indicate that current is actually flowing between the probe and the inactive electrode (bar electrode or plate electrode).

End-of-Treatment Signal

The end of treatment is signalled to the user when the epilator emits a high tone. For this function to be in effect, the sound volume must be set higher than zero and the number of tonalities must be set at one or two.

PRE/POST-TREATMENT

Anaphoresis and Cataphoresis

The Apilus Senior 3G allows the electrologist to perform anaphoresis and cataphoresis treatments. It has an improved circuitry that provides exceptionally even and stable output.

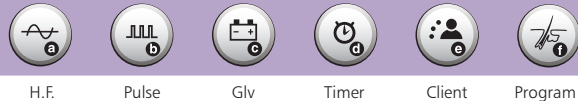
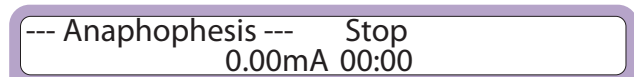
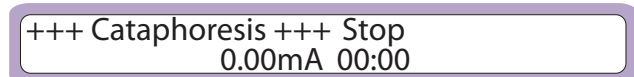
These treatments use galvanic current. This type of current requires the use of two electrodes with opposing polarities (+ and -). It is very important that good contact be maintained between the electrodes and the client's skin. The inactive electrode (bar electrode or plate electrode) should always be placed as close as possible to the area to be treated. We recommend placing a damp spongelike covering ("spontex") or a damp compress on the inactive electrode. A ramp up insures safety and comfort during the after care electrolysis treatment. Make sure that the cables are always in good condition. Using a defective cable may cause your client to receive electric shocks from the inactive electrode.

Anaphoresis treatment is carried out before electroepilation treatments. During anaphoresis, the active electrode (roller) has a negative polarity with respect to the inactive electrode.

Cataphoresis treatment is carried out after electro-epilation treatments. During cataphoresis, the active electrode has a positive polarity with respect to the inactive electrode.

Selection

Press the **Anaphoresis/Cataphoresis (17c)** key to select one of these mode. The screen now displays one of the two following messages:



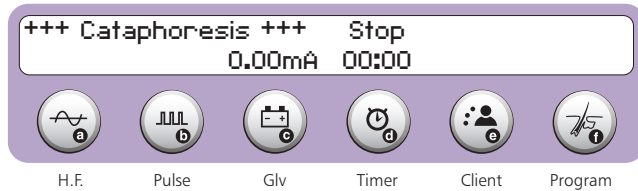
If the first message appears on screen, the epilator is ready to be set for cataphoresis treatment. If instead you wish to select anaphoresis treatment, press the **Anaphoresis/Cataphoresis (17c)** key again. The second message is now displayed on screen.

If the second message appears on screen, the epilator is ready to be set for anaphoresis treatment. If instead you wish to select cataphoresis treatment, press the **Anaphoresis/Cataphoresis (17c)** key again. The first message is now displayed on screen.

Settings

Current Intensity

The current is set in the same way for anaphoresis and cataphoresis. The current intensity is reset to 0 each time one of these two treatment modes is selected, unless an epilatory treatment program is active (MicroFlash, Flash, pulsing Blend or OmniBlend). In this case, the intensity of the cataphoresis current is automatically adjusted to the predetermined value selected by the treatment program.



Use the footswitch or the + and - keys to set current intensity. The procedure is described below.



Press the footswitch to increase current intensity by 0.01mA. If you maintain pressure on the footswitch, current intensity will increase rapidly. The maximum intensity for anaphoresis and cataphoresis currents is set at 1.99mA.

Press the + key to increase by 0.01mA. Holding the key down will rapidly increase. Press the - key to decrease by 0.01mA. Holding the key down will rapidly decrease.

Using

Follow the recommended procedures learned during your professional electrolysis training:

- » Do not carry out these treatments if the use of galvanic current is contraindicated.

Before proceeding with treatment, make sure that the roller electrode is plugged into the black connector (4) on the Apilus Senior 3G, and that the bar electrode (or plate electrode) is plugged into the red connector (1). The epilator automatically selects the appropriate polarity for the electrodes according to the selected treatment.

Place the inactive electrode (bar electrode or plate electrode) in contact with your client's skin close to the area to be treated. The bar electrode should be fitted with a spongelike covering ("spontex") soaked in water or then covered with a compress. Make sure that the sponge covering and the compress remain damp throughout the entire treatment.

Now set the intensity of the current. The table below proposes a range of currents to use, depending on the treatments and areas involved:

TREATMENT	AREA	INTENSITY (MA)	TREATMENT DURATION (MIN.)
ANAPHORESIS	FACE-NECK	0.25 - 0.40	1-3
	BODY-LEGS	0.30 - 0.50	2-4
CATAPHORESIS	FACE-NECK	0.25 - 0.75	3-5
	BODY-LEGS	1.00 - 1.50	5-8

To ensure that your client is comfortable, place a gauze soaked in a calming toner on the area to be treated, so that the active electrode is not rolled directly on the skin.

Gently move the roller electrode back and forth on the compress for a few minutes.

Remove the electrodes.

Discard the compress and clean the electrodes and the spongelike covering ("spontex") with a liquid disinfectant.

Circulation Signal

The galvanic current activation indicator light (35) signals the user that the Apilus Senior 3G has detected a treatment current flowing between the active roller electrode and the inactive electrode (bar electrode or plate electrode). If current activation is interrupted due to poor contact, the indicator light (35) goes out.

Please note that the indicator light (35) also comes on when the current is being adjusted, thus indicating the fact that the selected current intensity is available from the outputs of the Apilus Senior 3G.

HAIR REMOVAL TREATMENT PROGRAMS

The Apilus Senior 3G offers 1080 predefined treatment programs, in addition to 60 user-defined programs.

The predefined programs are divided into 9 groups that correspond to different areas of the body. Each area is numbered according to the list below. The first number refers to the number of the area to be treated.

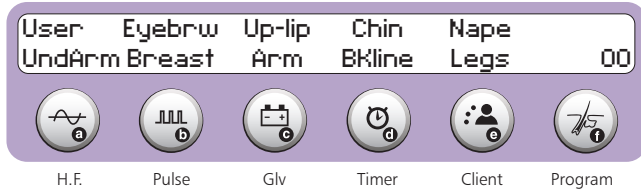
Number	Region
0	User-defined programs
1	Eyebrows
2	Upper lip
3	Chin
4	Nape
5	Underarms
6	Breasts
7	Arms
8	Bikini line
9	Legs

The Apilus Senior 3G offers 10 treatment programs for each body area. These programs are ranked in order of the quantity of energy supplied to treat a hair as shown below:

Number	Hair
0 to 3	Fine
4 to 6	Medium
7 to 9	Coarse

Selection

Press the **Program (15f)** key to select a treatment program. The following display appears on screen. The cursor is located on the number identifying the body area. The program number displayed corresponds to the last program that was used.

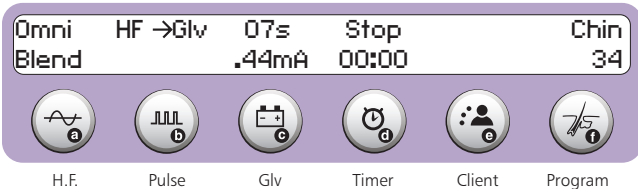


Simply type in a program number using the keypad. The first figure refers to the body area to be treated, and the second number refers to the hair type.

It is also possible to select the area to be treated using the keys directly below the screen. For example, pressing the **H.F. (15a)** key selects a user-defined program. Pressing the **H.F. (15a)** key again selects the underarm area. Pressing the **H.F. (15a)** key a third time selects the user-defined programs once again. The **H.F. (15a)**, **Pulse (15b)**, **Glv (15c)**, and **Client (15e)** keys may be used in a similar fashion.

The user must then select the program intensity level (second figure) using the numeric keypad, corresponding to the hair type. (0-3: fine hairs; 4-6: medium hairs; 7-9: coarse hairs)

The program selection is confirmed as shown below, when the name and number of the program are displayed on screen.



At any time, the user can change the settings for intensity, pulse duration and the number of pulses by following the procedures described in the previous chapter. However, these new settings are in effect only for the current treatment session and for the selected program level. The changed settings do not affect the parameters of the predefined treatment programs stored in the memory of the Apilus Senior 3G. They can, however, be stored as one of the 10 user-defined programs (area 0; see instructions in Saving Treatment Parameters).

It is also possible to switch between the MicroFlash, MultiPlex, Flash, pulsing Blend, OmniBlend, MultiBlend and Electrolysis modes by pressing the **MicroFlash/MultiPlex/Flash (17a)** key or the **Blend/OmniBlend/MultiBlend (17b)** key. The area to be treated and the program level are not affected by such mode switching. However, all modifications made to the treatment parameters will be lost.

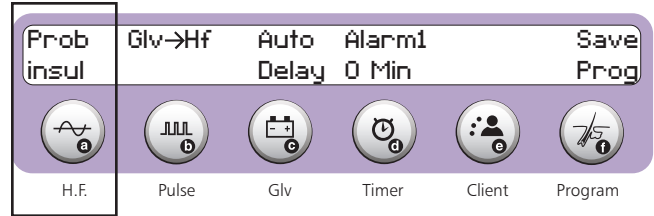
To select another treatment program, simply press the **Program (15f)** key and follow the procedure described above. To cancel the selection of a treatment program, press the **Program (15f)** key twice. The name of the area being treated and the number of the treatment program will disappear from the screen.

Using

Insulated Probe

Apilus Senior 3G device offers, for each treatment mode, programs adapted to the use of insulated probes. Since insulated probes better concentrate the energy at the base of the follicle, the operating parameters must be lower than with regular probes.

To access these programs, press the **Operation (26)** key. The screen displays the following information:



Press the key below the entry "**Probe non-i**". The screen displays the inscription "**Probe insul**". This confirms that your programs are converted for use with insulated probes. You can then select the treated area and the desired level following the "Predefined Treatment Program" procedures in the previous section.

To convert programs to regular filaments, press **Operation (26)** key. Then press the key below the entry "**Probe insul**". The screen displays the inscription "**Probe non-i**", which confirms the selection. The selection is stored in memory and will remain effective until it is changed.

Predefined Cataphoresis Programs

The Apilus Senior 3G contains 1080 predefined epilatory treatment programs. Each one of these programs is combined to a specific cataphoresis program. The program automatically adjusts current intensity.

To gain access to the cataphoresis treatment programs, the operator must select an epilatory treatment mode and a predefined treatment program.

The cataphoresis program becomes available as soon as the corresponding epilatory treatment program is selected. The electrologist can access this program at any time by pressing the **Anaphoresis/Cataphoresis (17c)** key. The program is not affected when the user modifies the parameters of the epilatory treatment program. However, the user can modify the suggested current intensity of the cataphoresis program, using the procedure described in the previous chapter. These new settings are in effect only for the current treatment session and for the selected program level. They will not be stored in the memory.

To cancel the selection of a treatment program, select an epilatory treatment mode (MicroFlash, Flash, pulsing Blend or OmniBlend) to get out of cataphoresis mode and press the **Program (15f)** key twice. The name of the area being treated and the number of the treatment program will disappear from the screen.

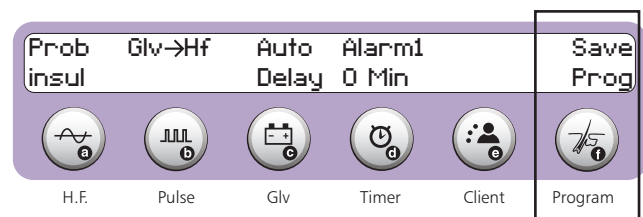
Saving

User-defined programs

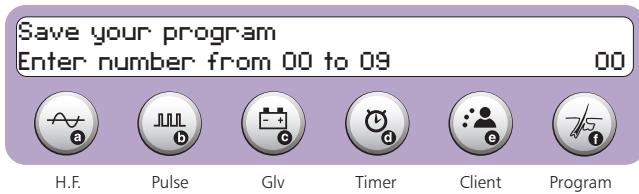
The Apilus Senior 3G gives you the possibility of storing in memory up to 60 personalized treatment programs. All epilatory modes allow to save programs, except the electrolysis mode that share the ones of Pulsing Blend.

To save a program, a valid mode must be selected. Programs saved in this manner will keep all the treatment parameter settings that are displayed on screen including the maximum intensity of thermolysis, but with the exception of the timer.

Press the **Operation (26)** key to store treatment parameters in memory. The following message is displayed:



Press the **Program (15f)** key to save the program. The following message is displayed, and the cursor is located on the last figure.



A program number between 0 and 9 must be entered. The screen asks you to enter the name of the program.

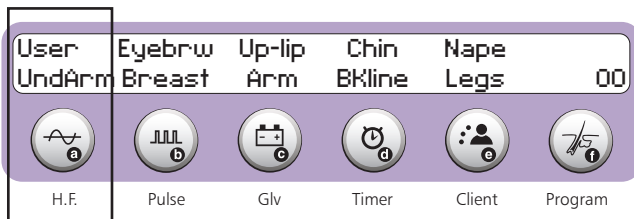
You can enter any name you wish, using up to 6 characters. Press the footswitch to complete the procedure.

The saved treatment programs are stored in memory until a new program is saved using the same number ID.

Using

User-defined programs

To select a program saved by the user, choose first a valid treatment mode. Then press on **Program (15f)** key. The following message appears on screen :



Press once on **H.F. (15a)** key. Enter the desired program number (between 0 to 9). The screen will then display the selected program.

VARIOUS FUNCTIONS

Footswitch/Automatic

Thermolysis or Blend treatments may be carried out either with the footswitch or automatically. In Automatic mode, the Apilus Senior 3G detects that the probe has been inserted into a follicle and, after a programmed delay, applies the desired treatment.

Attention!

The Automatic mode should never be used on clients with contraindications to galvanic current.

Selection

Footswitch

When the Apilus Senior 3G is turned on, the footswitch is required to activate current output.



Automatique

Pressing **Auto Mode (16)** key allows you to select the Automatic mode. The selection is confirmed by the corresponding indicator light (27). As a safety measure, selection of the Automatic mode is not stored in the Apilus Senior 3G's memory. The user must select it each time the unit is turned on.

Utilisation

Footswitch

The footswitch is pressed to start treatment, and is kept depressed until the treatment is completed. Current output is interrupted if the footswitch is released before the treatment is over.

Automatic

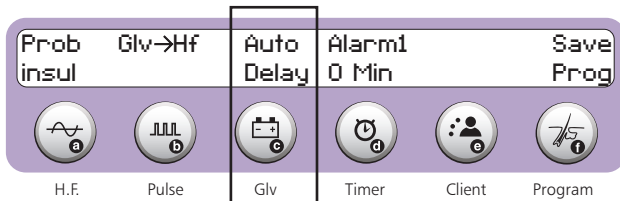
The device waits for a certain amount of time between the moment it detects insertion and the moment it activates a current. This delay allows you to complete the insertion properly. The insertion delay should be set to correspond to the speed at which you work.

Setting

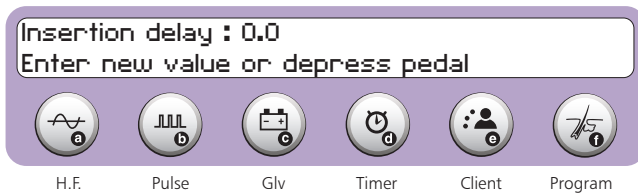
Insertion Delay

The insertion delay is factory-set at 1.5 seconds. However, it is possible to change this delay and reset it to a length of time ranging from 0.0 to 9.9 seconds.

To change the insertion delay, first select a valid operating mode. You will not be able to set the insertion delay if the Anaphoresis or Cataphoresis modes are selected. Then press the **Operation (26)** key to set the insertion delay. The following message appears on screen.



Press the **Glv (15c)** key. The following message is displayed, and the cursor is located on the insertion delay unit.



There are two methods to set the insertion delay:

1. You can either enter the desired time directly using the keyboard.
2. Perform an insertion and press the footswitch when the insertion is completed. The device will record the time interval between the moment it has detected insertion and the moment you signalled it to activate the current. This time interval becomes the insertion delay. Press the footswitch once more to complete the procedure. This second method allows the setting to be perfectly adapted to your work pace.

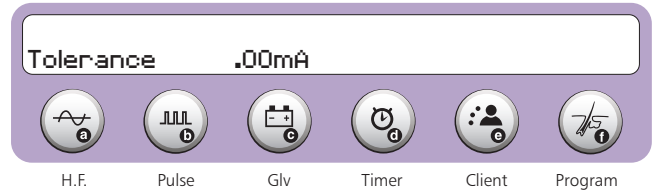
The selected insertion delay is stored in memory and will remain in effect until it is changed. It is possible to change the setting at any time during a treatment session.

Tolerance Test

The tolerance test allows you to determine what current intensity is suitable for your client.

Selection

Press the **Tolerance (20)** key to activate the tolerance test.



Using

To conduct the tolerance test, the inactive electrode (bar electrode or plate electrode) should be placed close to the area to be treated, in contact with your client's skin. The bar electrode should be fitted with a spongelike covering ("spontex") soaked in water and covered with a compress. Make sure that the sponge and the compress remain damp throughout the entire tolerance test.

1. Make an insertion in the area to be treated.
2. Depress the footswitch steadily. As you do so, the intensity of the current gradually increases.
3. Release the footswitch when your client indicates that her tolerance level has been reached.
4. Repeat the test 3 more times to determine the tolerance level as accurately as possible. Press the **Tolerance (20)** key twice to reset the intensity to zero.
5. Press the **Tolerance (20)** key to end the tolerance test and the Apilus Senior 3G automatically adjusts the intensity of the galvanic current to the tolerance level of your client.

Skin Moisture Test

The moisture level determine the skin moisture of your client's skin.

Sélection

Press the **Moisture (19)** key to access the skin moisture test:



Using

Before proceeding with the skin moisture test, make sure that the inactive electrode (bar electrode or plate electrode) is in contact with your client's skin close to the area being tested. The bar electrode should be fitted with a spongelike covering ("spontex") soaked in water or then covered with a compress. Make sure that the sponge covering and the compress remain damp throughout the entire test.

1. Place the active electrode (roller electrode) directly on the client's skin
2. If you wish to know the moisture level inside the hair follicle, make an insertion.
3. To obtain an accurate reading, make sure that the inactive electrode is in contact with your client's skin.

The Apilus Senior 3G graphically displays the degree of moisture on screen. As well, it classifies the degree of moisture according to three categories: dry skin, normal skin or hydrated skin.



Timer

It can be used to keep track of elapsed time or to signal when a specified interval of time is over. An adjustable alarm warns the operator at a set period of time before the end of the countdown.

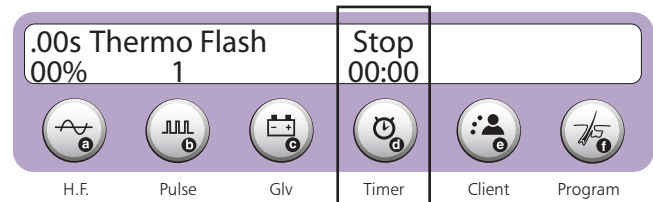
The timer starts to operate automatically when the treatment is activated after the epilator has been turned on or after the timer has been stopped manually. The timer may also be started manually by the user. This option is especially useful when you wish to keep track of elapsed time during Anaphoresis or Cataphoresis treatments.

Chronometer

In this operating mode, the timer displays elapsed time second by second (increasing time). The timer can thus tell the user how much time has been spent with a client. The timer displays elapsed time until it reaches 99 minutes, at which time it is automatically reset to 0 and begins counting again.

Selection

Press the **Timer (15d)** key.



Enter a 00 count for the minutes using the keyboard.

Using

To start the timer, simply press the **Start/Stop (37)** key or activate current output (by pressing the footswitch or in Automatic mode).

When treatment is finished, press the **Start/Stop (37)** key to stop the timer. The elapsed treatment time is now displayed on screen.

To interrupt temporarily, press the **Start/Stop (37)** key. The timer begins counting again automatically when the treatment restart (pressing the footswitch or in Automatic mode) or when the **Start/Stop (37)** key is pressed once more.

Countdown

In this operating mode, the timer displays the countdown time second by second (decreasing time). The timer can thus be used to signal the end of a treatment session. The timer can display a maximum countdown of 99 minutes.

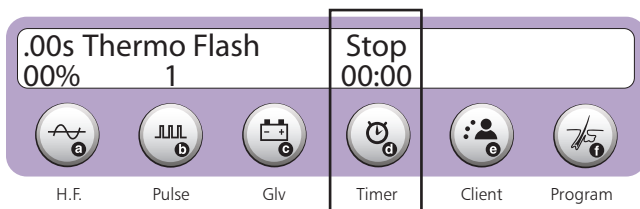
A sound signal is heard at a specified time before the countdown is complete, and another sound signal indicates the end of the countdown.

Please note that for the sound signal to be in effect, the sound volume must be set higher than zero. The timer stops when the countdown has ended.

However, if the treatment is continued after the countdown is finished, the timer is activated and starts displaying additional time.

Selection

Press the **Timer (15d)** key. The cursor is located on the first figure of the minutes.



Enter the desired duration of countdown using the keyboard.

Using

To start the timer, simply press the **Start/Stop (37)** key or activate current output (by pressing the footswitch or in Automatic mode).

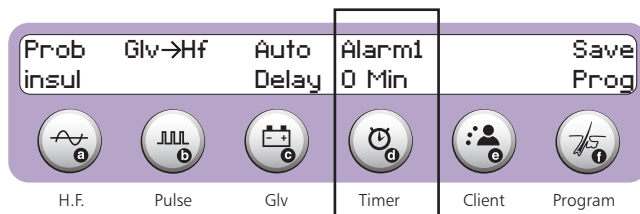
To interrupt the timer temporarily, press the **Start/Stop (37)** key. Countdown resumes automatically when the current is activated or when the **Start/Stop (37)** key is pressed once more.

Alarm

The alarm is used to warn the operator of the upcoming end of the countdown. It can also be used to indicate the ideal time to start catho-lysis treatment.

Selection

Press the **Operation (26)** key to set the alarm.



Then press the **Timer (15d)** key.

Using

The alarm setting is made automatically when using the billing system and the electrolyst can also modify after opening. The device automatically sets the alarm at 10% of the total countdown set by the user, rounded off to the nearest minute. If the billing system is not used, the setting must be done manually.

1. The cursor is located on the number indicating the time interval between the activation of the alarm and the end of treatment.
2. Simply enter the desired time interval using the keyboard, to a maximum of 9 minutes.
3. Press the footswitch twice to complete the alarm-setting procedure.

Probeholders

The probeholders provided with the Apilus Senior 3G are designed to be used with most standard probes available on the market.

Using

1. Unscrew the white plastic tip without removing it completely.
2. Keeping the probe holder horizontal, slip the probe into the probeholder by inserting the probe shaft into the opening in the plastic tip.
3. Adjust the probe position if necessary until the probe shaft is entirely inserted into the plastic tip.
4. Screw the white plastic tip back on to hold the probe in place.

Warning!

Do not place the plastic tips in a bead sterilizer, an autoclave or a sterilizing oven.

The probeholder's cable is calibrated for a specific length. Never shorten or lengthen this cable.

Selection

The Apilus Senior 3G includes two probeholder outlets located at the front of the unit (2, 3). Only one of these can be activated at once. Press the **A/B (21)** key to switch from outlet A to outlet B, or vice-versa.



The selection is stored in memory and will remain in effect until it is changed.

The indicator light (32, 33) located above the corresponding outlet confirms the selection.

BILLING SYSTEM

Your Apilus Senior 3G includes a billing system that allows you to calculate the amount charged to your client for the services you provide. Furthermore, the Apilus Senior 3G compiles total billing amounts, total working hours and the number of hairs treated since the last time these values were reset to 0. This allows you to calculate statistics for each workstation for a predefined period of time.

Configuration

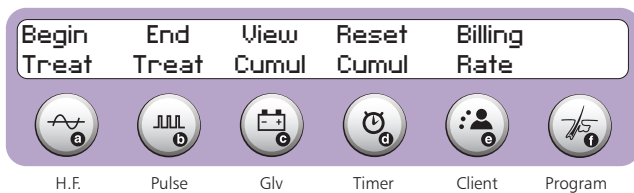
Before using the billing system, several parameters must be defined, such as the currency, the display type, the rate, the minimum billing amount for a session and the applicable tax rates.

Settings

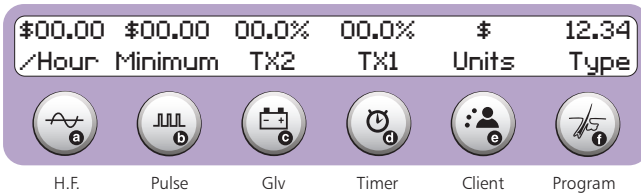
Currency

The currency symbol appears before any amount on a treatment report, displayed on screen. The Apilus Senior 3G is factory-set to use the dollar symbol. The operator may choose another currency symbol, or decide to remove the currency symbols altogether. Available currency symbols include the dollar (\$), the lira (L), the yen (¥), the pound (£), the crown (Kr), the drachma (Dr), the pesetas (Pts) and the euro (e). The currency selection procedure is described below.

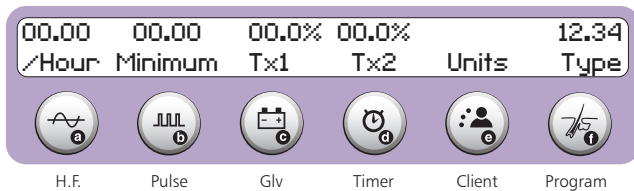
Press on the **Client (15e)** key. The following display appears on screen:



Press again on the **Client (15e)** key, which is below the entry «Billing Rate». The screen then display the following information.



When the **Client (15e)** key is pressed a third time, the Apilus Senior 3G removes all currency symbols. The screen then appears as shown below:



Pressing the **Client (15e)** key successively allows you to select the lira (L), the yen (¥), the pound (£), the crown (Kr), the euro (e), the pesetas (Pts), the drachma (dr) and the dollar (\$).

When the currency selection is complete, press the footswitch to return to a treatment mode.

The selected currency symbol is stored in memory and will remain in effect until it is changed.

Display Type

The Apilus Senior 3G allows you to choose one of four different types to display money amounts in order to accommodate important variations in unit value of different currencies.

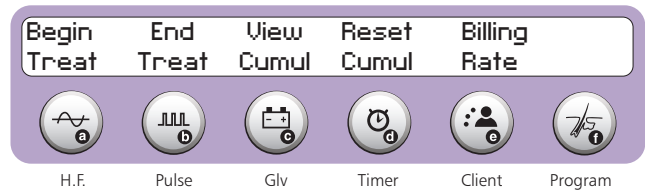
The first type: the factory-set to calculate costs and set rates with a precision of one hundredth of a currency unit (99.99 maximum). In this case, the separator is a decimal point.

The second type: allows you a precision of one currency unit (9999 maximum). There is no separator used with this type.

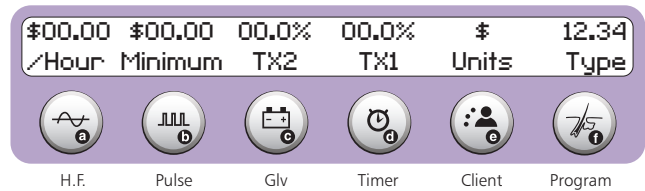
The third type: allows you a precision of ten currency units (between 10 and 99990). There is no separator used with this type.

The fourth type: allows you a precision of one currency unit. (between 1 and 9999). On the other hand, costs are calculated with a precision of one hundredth of a currency unit. A decimal comma acts as separator in this case. However, this type allows you to select only one tax.

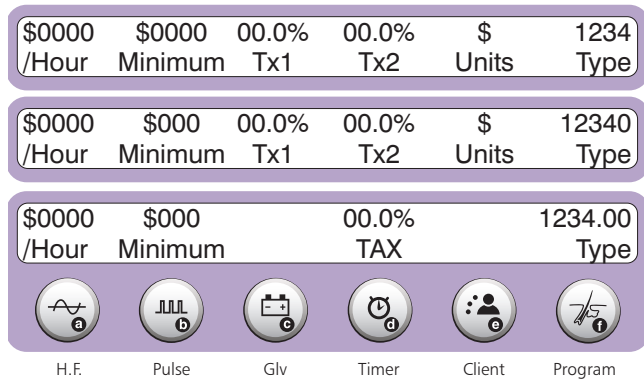
Press the **Client (15e)** key to select the display type.



Then press again the **Client (15e)** key. The first type appears on screen:



By successively press the **Program (15f)** key the device scrolls the other types available. An example of each is shown below.



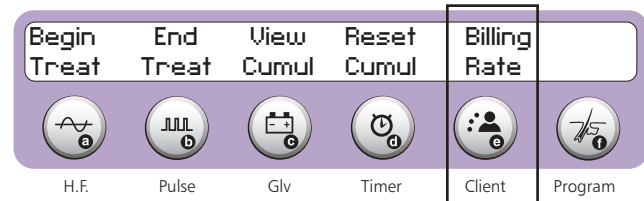
When the display type selection is complete, press the footswitch to return to a treatment mode.

The selected display type is stored in memory and will remain in effect until it is changed.

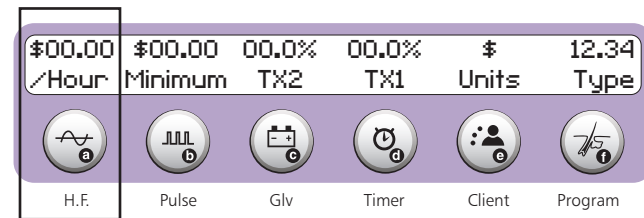
Rates

The Apilus Senior 3G allows you to determine billing amounts according to an hourly rate, a half-hourly rate, a rate per minute or per treated hair.

Press the **Client (15e)** key to set the rate. The following display appears on screen:



Then press again the **Client (15e)** key. The following example appears when the selected currency is the dollar and costs are displayed using a 12.34 type.

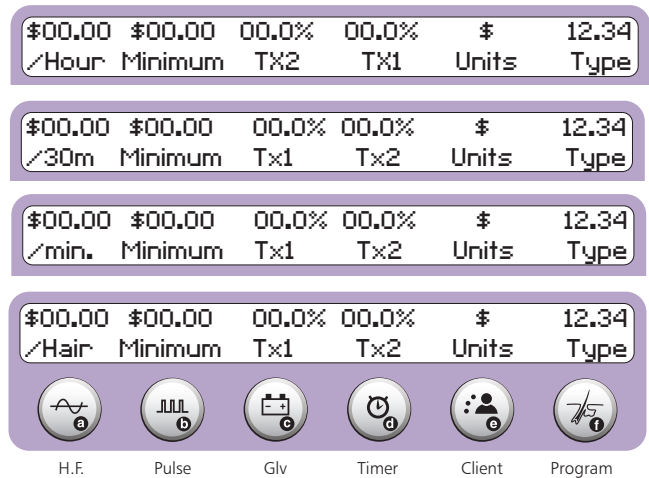


Press the **H.F. (15a)** key to select the billing rate.

Enter four figures to set the desired amount for the rate. In the example shown above, the maximum rate is \$00.00. The cursor then moves to the second line on display to set the billing period.

This setting can be modified by the user, an hourly rate (/Hr), a half-hourly rate (30m), a rate per minute (/min) or per treated hair (/hair).

By successively press the **H.F. (15a)** key the device scrolls the other types available. An example of each is shown below.



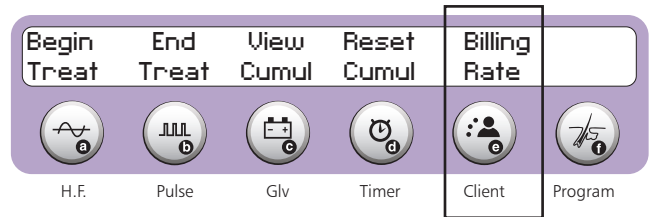
When using this billing mode, the Apilus Senior 3G automatically sets the first two figures of the rate to zero. The third and fourth figures can be then entered for all display types, except for the 1234,00 type. In this particular case, the figures you enter will modify only the figures after the decimal comma. In the example shown above (12.34 type), the maximum cost per treated hair is \$0.99.

Press the footswitch to end the procedure. Press the footswitch two more times to return to a treatment mode.

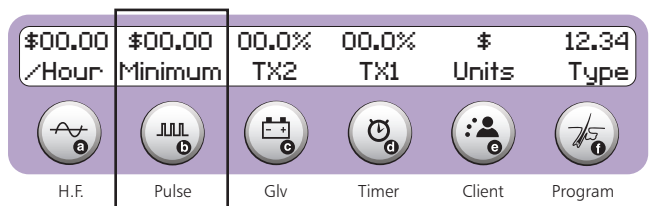
The rates can be modified as needed. The last rate setting is stored in memory and will remain in effect until it is changed.

Minimum Billing Amount

Press the **Client (15e)** key to set the minimum billing amount. The following display appears on screen.



Then press again the **Client (15e)** key. The following example appears when the selected currency is the dollar and costs are displayed using a 12.34 type.



Next, press the **Pulse (15b)** key. The cursor is located on the first figure of the rate amount. Simply enter the desired minimum amount using four figures, except in the 1234,00 type. In this case, the Apilus Senior 3G automatically sets the first figure to zero (not visible on screen) and allows you to set the second, third and fourth figures.

Press the footswitch twice to return to a treatment mode.

The minimum billing amount can be modified as needed. The selected amount is stored in memory and will remain in effect until it is changed.

Tax Rates

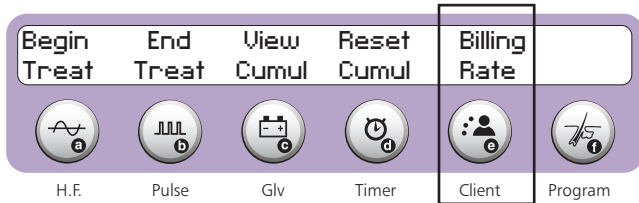
The Apilus Senior 3G makes it possible to add one or two tax amounts to apply to your fees. The selected display type determines if one or two tax rates will be applied. Choosing the 12.34, 1234 or 12340 types will allow you to add two amounts of taxes to your fees. The 1234,00 display type, on the other hand, allows only one tax to be added.

Display Types 12.34, 1234 or 12340 (two taxes)

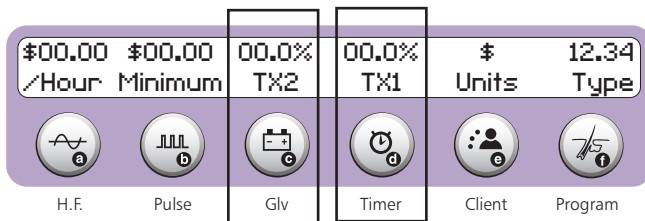
These display types allow you to add two amounts of taxes. The first tax applies directly to the fees. The second tax can be applied directly to the fees, or to the fees plus the first tax, as selected by the operator. Tax calculations can thus reflect the tax system currently in effect in your area.

When only one tax rate is required, simply set the rate for tax #1 as needed and enter a 0.0% rate for tax #2. The tax rates are set by following the procedure described below.

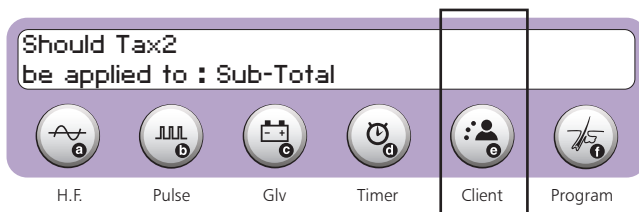
Press the **Client (15e)** key to set the tax rates. The screen displays the following message.



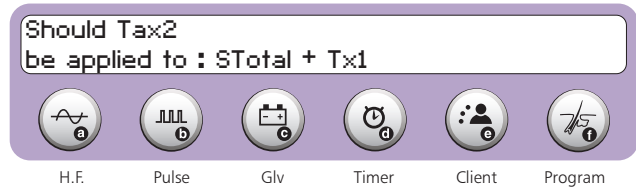
Then press again the **Client (15e)** key. The following example appears when the selected currency is the dollar and costs are displayed using a 12.34 type. The procedure used to set the tax rates is the same regardless of the selected currency or display type.



Press the **Glv (15c)** key to enter the rate for tax #1. The cursor is located on the first percentage figure. Enter the desired tax rate for the first tax, to a maximum of 19.9%. Then press the **Timer (15d)** key to set the rate for tax #2. The maximum tax rate is also set at 19.9%. When the tax rate has been entered, the following message appears, asking how the tax should be applied.



This message indicates that tax #2 is applied to the sub-total amount (i.e. the fees only). If you wish to apply tax #2 to the fees plus the amount for tax #1, press the **Client (15e)** key. The selection of this mode is confirmed by the following message.



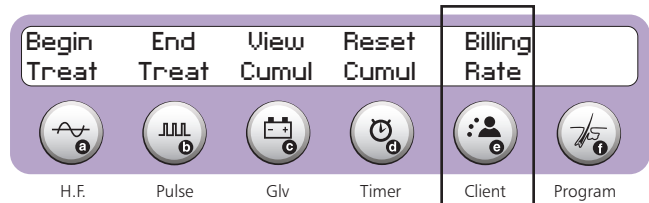
It is possible to return to the first application (i.e. on the fees only) by pressing the **Client (15e)** key once more.

Press the footswitch to complete the procedure. Press the footswitch two more times to return to a treatment mode.

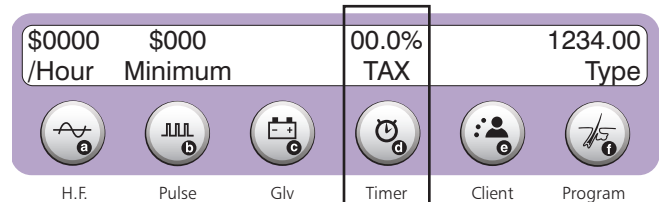
Display Type 1234,00 (one tax)

This display type allows you to add only one amount of taxes, which applies directly to the fees.

Press the **Client (15e)** key to set the tax rate. The following display appears on screen:



Then press again the **Client (15e)** key. The following example appears when the selected currency is the dollar and costs are displayed using a 1234.00 type.

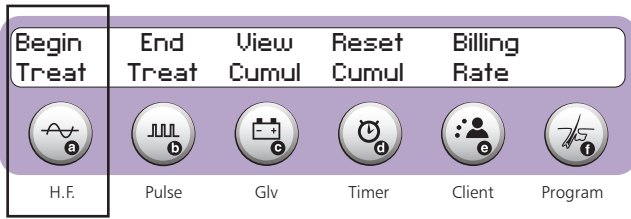


Next, press the **Timer (15d)** key. The cursor is located on the first percentage figure. Simply enter the desired tax rate to a maximum of 49.9%.

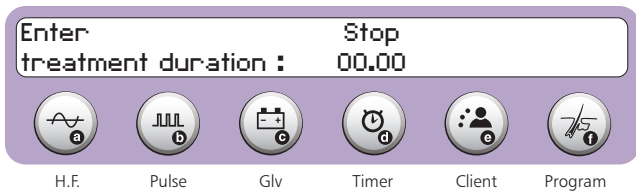
Press the footswitch to complete the procedure. Press the footswitch two more times to return to a treatment mode.

Beginning of Treatment

The electrologist should signal the Apilus Senior 3G when treatment begins to allow the billing system to calculate treatment time properly. Press the **Client (15e)** key to signal the beginning of a treatment session. The following information appears on screen.

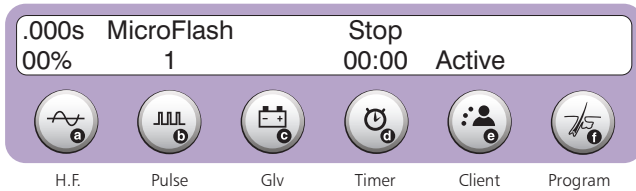


When the **H.F. (15a)** key is pressed, the Apilus Senior 3G sets the treatment duration at 0, the insertion counter at 0 and asks you to enter the desired treatment duration.



You can enter a duration between 0 and 99 minutes. The entered duration sets the timer countdown and the alarm. The alarm is automatically set at 10% of the treatment duration. It is possible to modify this setting by following the procedure described in the chapter entitled Timer. If you enter a treatment duration of 0, the timer will display elapsed time.

The Apilus Senior 3G indicates that the billing system is in acquisition mode by displaying the word "Active" above the **Client (15e)** key.

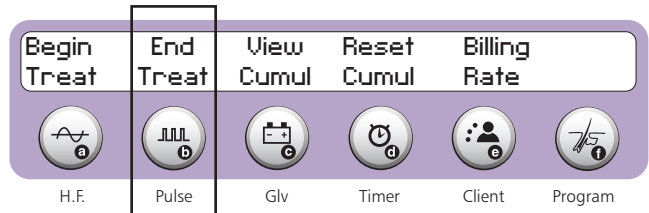


The Apilus Senior 3G calculates the time interval during which the timer is activated to define the duration of treatment. Thus, treatment time is calculated when the timer is activated even after the end of the programmed countdown. The treatment time does not include periods of time when the timer is stopped.

The electrologist should avoid letting the timer going after the end of treatment in order to produce a bill that reflects the actual treatment time. The timer can be stopped by pressing the **Start/Stop (37)** key.

End of Treatment

The Apilus Senior 3G should be informed when a treatment is finished to produce a bill that corresponds exactly to the treatment received. Press the **Client (15e)** key. The following information appears on screen.

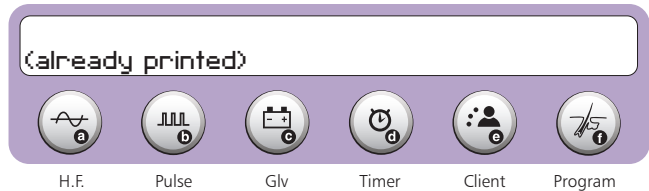


The Apilus Senior 3G then proposes to display the statistics and billed amounts on screen (see the procedures in the following section).

When treatment duration is less than 2 minutes, the Apilus Senior 3G displays the following message and does not display treatment statistics.



When the **Pulse (15b)** key is pressed to indicate the end of a treatment but the beginning of treatment had not been signalled to the unit, the Apilus Senior 3G mentions that a report has already been issued.



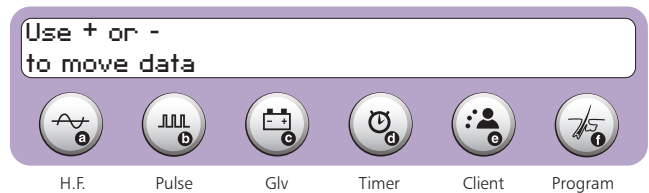
It's then possible to display again this report on screen by pressing the **Program (15f)** key.

Displaying Statistics and Billed Amounts

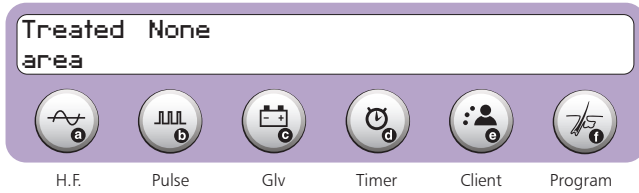
Treatment statistics and billed amounts can be displayed on screen with the Apilus Senior 3G. There are two methods to display this data.

The easiest method to visualize the treatment report is to indicate the end of treatment to the Apilus Senior 3G. As described on the previous page, the end of treatment is indicated by pressing the **Client (15e)** key, then the **Pulse (15b)** key. The following information appears on screen.

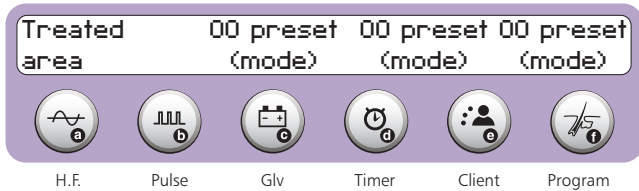
The Apilus Senior 3G then display on screen the instructions to consult the treatment datas.



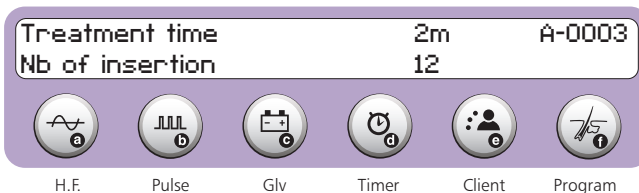
Press the **+** key to display the treated areas. When no treatment program has been selected, the screen displays the word "None", as shown below.



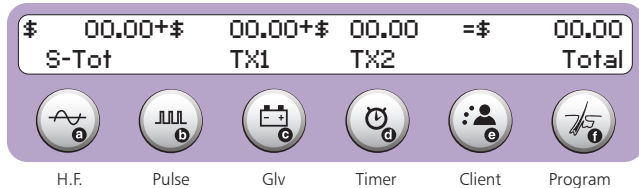
When epilatory treatment programs were used, the Apilus Senior 3G displays the numbers of the programs, the areas treated and the treatment modes of the last three selected programs. An example is shown below:



Press the + key again to display the treatment duration, the number of treated hairs and the bill number. It is possible to return to the previous display by pressing the - key.



Press the + key a third time to display the costs. These include the fees, the two taxes and the total amount charged. It is possible to return to the previous display by pressing the - key.



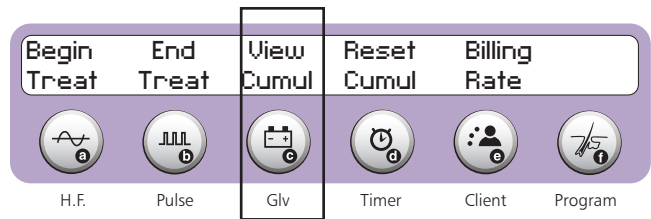
Press the footswitch to conclude the treatment report display and to return to a treatment mode.

Cumulative Statements

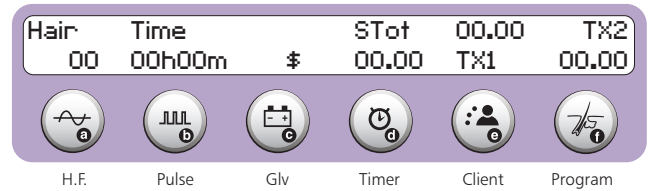
The Apilus Senior 3G calculates total billing amounts, total time worked and the total number of treated hairs since these elements were last reset to zero. These statistics are compiled without keeping track of the electrologist who has performed the work. The cumulative statements can be displayed on screen.

Display

Press the **Client (15e)** key to display cumulative statements. The following information appears on screen.



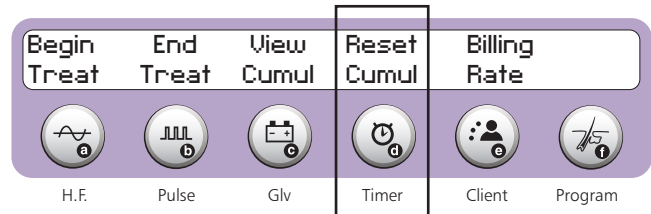
Then press the **Glv (15c)** key. The cumulative data is displayed on screen. The type of displayed amounts should respect the configuration settings. An example is shown below:



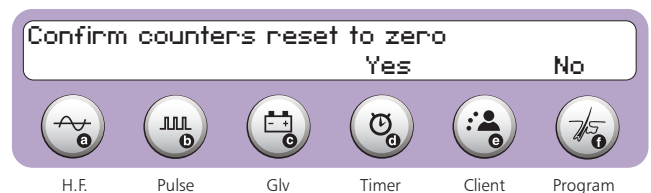
Press the footswitch to end cumulative statement display and to return to the operating treatment mode.

Zero Reset

Cumulative statements can be set back to zero to start a new compilation period. To do so, press the **Client (15e)** key. The Apilus Senior 3G displays the following menu:



Then press the **Timer (15d)** key. The Apilus Senior 3G asks you to confirm counter reset.



When the **Timer (15d)** key is pressed, all counters are reset to zero. The epilator automatically returns to the selected treatment mode after the counters have been reset.

MAINTENANCE AND SERVICE

General Maintenance

Your Apilus Senior 3G epilator requires minimal maintenance. To protect the original finish, clean it with a soft cloth and mild detergent. Do not use volatile solvents that could damage the case. If necessary, clean the cables in the same manner.

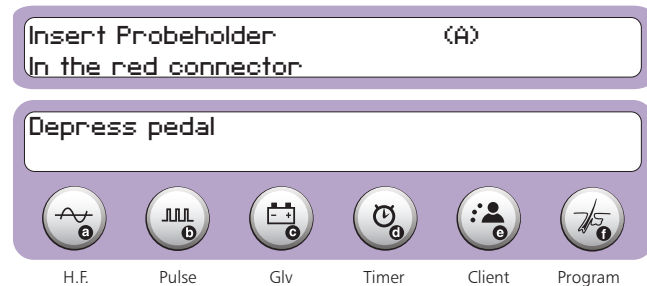
The bar electrode should be cleaned after each use with a cotton pad and rubbing alcohol. The brass tip of the probeholder can be cleaned with a small brush and bactericidal soap. For the white plastic tip of the probe-holder, you may use disposable ones. If you use reusable ones, they must be sterilized after each treatment. First clean them with an ultrasound device or with a cotton swab soaked in antibacterial soap, then sterilize them using the proper dipping solution or an autoclave. The white plastic tip must never be placed in a bead sterilizer or in a sterilizing oven, as it cannot withstand the high temperatures of these devices.

The spongelike covering ("spontex") for the bar electrode can be cleaned with a mixture of soapy water and bleach. Bactericidal soap may also be used.

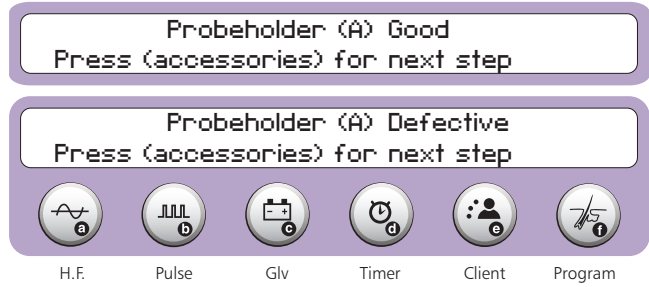
Probes should never be used on more than one client. We recommend using only presterilized disposable probes.

Accessory Test

The Apilus Senior 3G includes a function that allows you to verify the condition of cables connecting the electrodes to the epilator. Press the **Accessories (22)** key to activate the verification function. The screen alternately displays the two messages below.

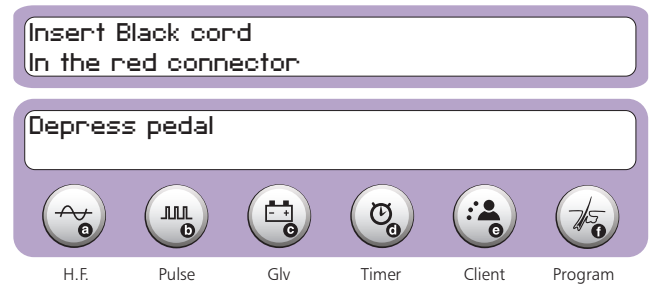


First disconnect the red cable from the red connector (1) on the epilator. Then remove the white plastic tip from the extremity of probeholder A and plug it into the red connector (1). Press the footswitch, and the Apilus Senior 3G will display the condition of probeholder A. The first message shown below is displayed when the cable on probeholder A offers good electrical conductivity. The second message shown below indicates that current cannot flow in the cable of probeholder A. If this occurs, the probeholder should be replaced with a new identical probeholder. The cables on probeholders should never be shortened or lengthened, and should remain in one piece, otherwise treatment results may be affected.



Press the **Accessories (22)** key to continue with accessory verification. The Apilus Senior 3G is now ready to test the cable on probeholder B. The verification procedure is identical to the one used for probeholder A.

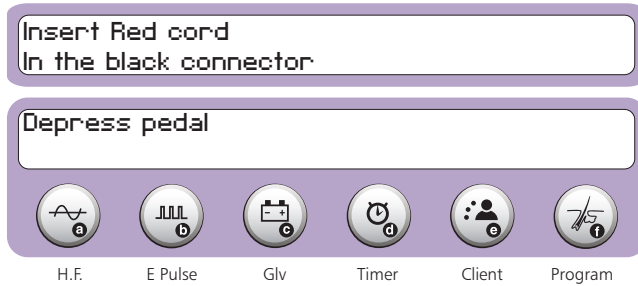
The next step consists in verifying the condition of the black cable. Press the **Accessories (22)** key again to continue testing. The screen alternately displays the two following messages.



To perform this test, first disconnect the roller electrode from the black cable. This extremity of the black cable should then be plugged into the red connector (1). Press the footswitch, and the Apilus Senior 3G will display the condition of the black cable. The first message shown below is displayed when the black cable offers good electrical conductivity. The second message shown below indicates that current cannot flow in the black cable. If this occurs, the black cable should be replaced.



Press the **Accessories (22)** key to continue the verification of accessories. The Apilus Senior 3G is now ready to check the red cable as confirmed by the two following messages.



To perform this test, first disconnect the bar electrode or the plate electrode from the red cable. Plug the red cable into the red connector (1) as usual and disconnect the black cable from the black connector (4). Then plug the free end of the red cable into the black connector (4). Press the footswitch, and the Apilus Senior 3G will display the condition of the red cable. The first message shown below is displayed when the red cable offers good electrical conductivity. The second message shown below indicates that current cannot flow in the red cable. If this occurs, the red cable should be replaced.



Press the **Accessories (22)** key to end accessory verification. The epilator returns to the selected treatment mode. Do not forget to reconnect the electrodes to the cables and to replace the plastic tips on the probe holders.

It is possible to cancel the accessory verification function at any time by pressing any key. The selected treatment mode is then restored.

Troubleshooting Guide

Several problems can be solved without the help of an expert. If you experience a problem, try to solve it by following the recommendations below. If the problem persists, have your Apilus Senior 3G checked by an authorized service centre.

The epilator is switched on but does not work

- » Make sure the power cord receptacle (7) is correctly inserted into the power connector (10) located at the back of the unit.
- » Check the wall outlet. Plug another appliance into it to see if this outlet works properly.
- » If your epilator is equipped with a voltage selection switch (11) under the epilator cabinet, make sure the voltage displayed corresponds to the line voltage.
- » Check the fuse located at the back of the unit (13). If the fuse is burnt out, replace it with a new identical fuse (1A, 250V slow blow fuse).

The epilator works intermittently

- » Make sure the power cord receptacle (7) is correctly inserted into the power connector (10) located at the back of the unit.

The keyboard does not work

- » Make sure the footswitch is not depressed.
- » Make sure the inactive electrode (bar electrode) is not in contact with the roller electrode.
- » Make sure the inactive electrode (bar electrode) is not in contact with the probe or the tip of the probeholder.
- » Turn the epilator off and wait a few minutes before turning it back on to allow the computer to reboot.

The current is not activated when the footswitch is pressed

- » Make sure the footswitch is plugged in correctly. Consult the chapter entitled Installation at the beginning of this manual.
- » Make sure the Automatic mode is not selected. If it is, press the **Auto Mode (16)** key to disengage it.
- » Make sure the intensity and duration of current application are sufficient to carry out a treatment.
- » Make sure the probeholder is properly plugged into the epilator.
- » Make sure the probeholder you are using is the active probeholder, confirmed by the corresponding indicator light (32 or 33).
- » Test your probeholder with the accessory verification function, or by trying a new probeholder.

There is no current output in Automatic mode

- » Make sure the Automatic mode is actually selected, as signalled by the corresponding indicator light (27).
- » Make sure the insertion delay is properly adjusted. Consult the chapter entitled Footswitch/Automatic for the procedure to set the insertion delay.
- » Make sure the intensity and duration of current application are sufficient to carry out a treatment.
- » Make sure the probeholder is properly plugged into the epilator.
- » Make sure the probe holder you are using is the active probeholder, confirmed by the corresponding indicator light (34 or 35).
- » Make sure the inactive electrode (bar electrode) is in good contact with the client's skin. The compress and the sponge covering on the inactive electrode should remain damp during the entire treatment.
- » Test your probeholder with the accessory verification function, or by trying a new probeholder.

The sound signal does not work

- » Check the settings for sound volume.

Customer Service

Your Apilus Senior 3G carries a limited warranty against manufacturing and material defects. Please consult the warranty enclosed with the epilator for details.

A troubleshooting guide has been prepared to help you solve most of the minor problems that you could encounter while operating your Apilus Senior 3G without the intervention of a technician. We suggest you consult this guide before calling our after-sale service.

However, if a problem persists, we invite you to communicate with your distributor. They are specifically trained to fix most problems on the Apilus Senior 3G. Please mention the model number, the serial number inscribed on the bottom of the unit and the date of purchase in any correspondence concerning your Apilus Senior 3G.

If you are unable to contact your distributor, then communicate directly with Dectro International's after-sale service at the address and phone number below. A technician will try to solve the problem and, if necessary, will provide you with all the information needed to ship your Apilus Senior 3G to a service centre. Make sure you have the model number, the serial number inscribed on the bottom of the unit, the date of purchase and the name of your distributor on hand before calling Dectro International.

Please note that you need to obtain a return authorization number (RMA) before sending your Apilus Senior 3G to our service centre, otherwise additional fees could be charged. This procedure is designed to speed up the processing of claims, and in no way limits accessibility to our after-sale service.

Dectro International
1000, boulevard du Parc-Technologique
Québec (Québec) Canada G1P 4S3

Téléphone: 418.650.0303
Toll free: 1 800.463.5566
Fax: 418.650.0707
E-mail: service@dectro.com

TECHNICAL SPECIFICATIONS

Thermolysis: MicroFlash, MultiPlex, Flash

- » Frequency: 13.560MHz
- » Duration of treatment (MicroFlash and MultiPlex): adjustable from 0.000 to 0.999s with 0.001s increments
- » Duration of treatment (Flash): adjustable from 0.00 to 0.99s with 0.01s increments
- » Duration of warming period (MultiPlex): adjustable from 0.0 to 9.9s with 0.1s increments
- » Intensity of warming period (MultiPlex): adjustable from 0 to 29% with 1% increments
- » Number of pulses: adjustable from 0 to 9 with increments of 1
- » Proportional thermolysis: active in MicroFlash and MultiPlex
- » Indicator light: thermolysis current application
- » Sound signal: end of pulse

Blend: pulsing Blend, OmniBlend, MultiBlend

- » Thermolysis intensity (pulsing Blend): adjustable from 0 to 99% with 1% increments
- » Thermolysis intensity (OmniBlend): adjustable from 0 to 29% with 1% increments
- » Galvanic current: adjustable from .00 to .99mA with .01mA increments (progressive increase)
- » Duration of treatment: adjustable from 0 to 99s with 1s increments
- » Current application: interchangeable – galvanic first or thermolysis first
- » Indicator lights: application of galvanic current, application of thermolysis current
- » Sound signal: end of pulse, end of treatment

Electrolysis

- » Galvanic current: adjustable from 0.00 to 1.99mA with .01mA increments (progressive increase)
- » Duration of treatment: adjustable from 0 to 99s with 1s increments
- » Indicator light: current application
- » Sound signal: end of treatment

Anaphoresis & cataphoresis:

- » Regulated continuous current: adjustable from 0.00 to 1.99mA with .01mA increments (progressive increase)
- » Polarity: electronic inversion
- » Indicator light: current flow
- » Cataphoresis programs: 9 (combined to treatment programs)

Hair Removal treatment programs: available in, MicroFlash, MultiPlex, Flash, pulsing Blend, OmniBlend, MultiBlend and Electrolysis modes.

- » Number of predefined programs: 1080 (180 in each mode) (pulsing Blend and Electrolysis share the galvanic current duration and intensity)
- » Number of body areas: 9
- » Number of energy levels: 10
- » Type of Probe: insulated or non-insulated
- » Number of user-defined programs: 60 (10 in each mode)

Current Activation:

interchangeable - footswitch or Automatic

- » Insertion delay (Automatic mode): adjustable from 0.0 to 9.9s with 0.1s increments, adjusted automatically or using the keyboard

Skin moisture test

- » Classification: dry skin, normal skin, hydrated skin

Display language

- » French (FRA) English (ENG), Spanish (ESP), Italian (ITA), German (DEU), Dutch (NED), Portuguese (POR), Turkish (TR), Polish (POL).

Timer

- » Calculation of treatment time: 99 minutes maximum
- » Countdown: adjustable from 0 to 99min. with 1min. increments
- » Activation: automatic or manual
- » Sound signal: alarm and end of countdown
- » Alarm: adjustable from 0 to 9min. with 1min. increments, automatically adjusted by billing system

Sound signal

- » Adjustable to 10 volume levels
- » Independent end-of-pulse and end-of-treatment activation

Billing system

- » Billing for a client or cumulative statements for set periods
- » Screen display
- » Adjustable parameters: currency, display type, rate, minimum billing amount, 2 taxes
- Currency: dollar, lira, yen, pound, crown, euro or none
- Display type: adjustable to 12.34, 1234, 12340 or 1234,00
- Rate period: hour, half-hour, minute or treated hair
- Rate amount: adjustable four-figure amount (2 figures with the rate per treated hair)
- Minimum billing amount: adjustable four-figure amount (3 figures with 1234,00 type)
- Taxes: 2 adjustable taxes from 0.0 to 19.9% with 0.1% increments
1 adjustable tax from 0.00% to 49.9% (1234,00 type)
- Application of tax #2: applies to sub-total or sub-total + tax #1
- » Cumulative parameters: costs, treated hairs, treatment time

Accessory verification function

- » Verifies the condition of all cables

Liquid crystal display

- » Back-lit
- » 80 characters on 2 lines

Outlets

- » Probeholders: 2
- » Bar electrode: 1
- » Roller electrode: 1

Power

- » 120V AC, 50/60Hz
- » 100V AC, 50/60Hz (opt.)
- » 110/220V AC, 50/60Hz (opt.)
- » 120/240V AC, 50/60Hz (opt.)
- » 220V AC, 50/60Hz (opt.)
- » 230V AC, 50/60Hz (opt.)
- » 240V AC, 50/60Hz (opt.)
- » For 200 V and up devices: this grounded unit is intended for use in a dedicated location

Power consumption

- » 160 watts

Protection

- » 1A slow blow fuse

Dimensions

- » L: 39.1cm (15.4in.) × W: 30.5cm (12in.) × H: 21.6cm (8.5in.)

Weight

- » 4.6kg (10.1lbs)

Operating temperature

- » 10 to 40°C

Probeholders

- » Compatible with F-type probes
- » Compatible with K-type probes (opt.)

Certification

Certified CSA

- » Registered at FDA, Class 1 medical device
- » Meets FCC (section 18) standards
- » Meets CE standards

TERMINOLOGY

A: abbreviation of "ampere". Electric current measurement.

AC: abbreviation of "alternating current".

Anaphoresis: pre-epilatory treatment.

Blend: epilatory method using a combination of two different types of current.

Cataphoresis: post-epilatory treatment.

Current (electric): flow of electrons through a conductive material due to a difference in electric potential.

Cursor: small flashing rectangle that appears on the screen, indicating the next action to be taken or the value to be changed.

Electrolysis: epilatory method using a galvanic current. The term electrolysis is commonly used to designate electro-epilation.

Frequency: number of occurrences of the same event per unit of time.

Galvanic: refers to a continuous current (that does not vary over time), and to its action on living organisms.

Hz: abbreviation of "hertz". Frequency measurement.

Insertion delay: interval of time between the moment the epilator detects that a probe has been inserted into a follicle and the moment the epilator applies an epilatory current.

Lye: common name for sodium hydroxide, a substance that destroys germ cells responsible of hair growth.

m: abbreviation of "milli-". Prefix indicating one thousandth.

Parameter: indicates values for current, time or frequency specific to a particular treatment.

Program: set of parameters that make it possible to carry out a treatment.

Pulse: electrical signal of short duration.

s: abbreviation of "second".

Soft-touch keyboard: Keypad using electronic rather than mechanical switching, where the keys are integrated directly into the keyboard surface.

Thermolysis: epilatory method using a high-frequency alternating current. Thermolysis is commonly referred to as "high-frequency".

V: abbreviation for "volt". Electric intensity measurement.

Watt: electric power measurement.

