

mama*tens*
my time™

“TIMED, CONTROLLED
PURE POWERFUL
PAIN RELIEF”



0473 EC Declaration of Conformity

TensCare Ltd hereby declare that an examination of the production quality assurance system has been carried out following the requirements of the UK national legislation according to Annex V of the Directive 93/42/EEC on medical devices. We certify that the production quality system conforms with the relevant provisions of the aforementioned legislation, and the result entitles the organisation to use the CE 0473 marking on this product.

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TensCare™

TensCare Ltd, 9 Blenheim Road,
Longmead Business Park,
Epsom, Surrey KT19 9BE, UK
Tel +44(0) 1372 723434
Email: ask@mama-tens.info
www.mama-tens.info



0473



Instructions for Use

PLEASE READ THIS BEFORE YOU GO INTO LABOUR

TensCare™

Quickstart Guide



1 Read instruction book carefully



2 Check contents



3 Press ON button to check that the unit is working (LCD will be activated) then switch OFF



4 Attach lead to the unit



5 Attach the electrodes to your back and try out the unit to see how it feels



6 Replace electrodes onto their liners and seal them in the re-sealable bag



7 Put everything back into the box until labour begins



8 As soon as labour begins, set up, attach and use the unit as per instructions



9 Adjust strength using the up and down buttons



10 After the birth, dispose of electrodes and leads



11 Place unit and neck cord back into the box



MamaTENS Help LINE

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1. INTRODUCTION

The MamaTENS “My Time” is a very special maternity TENS as it not only offers powerful controllable pain relief, but also gives information about contraction times and the length of your labour. (See Labour Log). The MamaTENS “MyTime” was developed as a result of twenty years of manufacturing and with feedback from tens of thousands of mothers who have used TENS in labour. The aim was to produce the **ULTIMATE** maternity TENS; the MamaTENS “MyTime” is the result.

MamaTENS “My Time” Special features:

- **MamaTENS “My Time” LABOUR LOG**
Labour Log enables you to monitor the duration and frequency of your contractions by measuring each one in seconds and showing the time between them. Labour Log can show the total time since you started to use your MamaTENS “MyTime”. Labour Log is unique to the MamaTENS “My Time” and provides invaluable help to you and your midwife.
- **MamaTENS “My Time” PAD ALARM**
Perfect pad contact and condition is important to obtain maximum benefit from any TENS unit. To ensure the best performance, the MamaTENS “My Time” has been fitted with a “Pad Alarm” that shows you if the contact of any of the four pads to your body is lost or below standard. You might otherwise not be aware of the break in contact, which would interrupt the benefit being obtained from the unit.
- **MamaTENS “My Time” COMFORT STRENGTH CONTROL**
Gives a gentle and reproducible stimulation. “CSC” monitors skin and pad resistance and adjusts the output to maintain a constant feeling. This gives you greater comfort and takes away the possibility of getting an unpleasant spike in strength if a pad starts coming away from the body. With “CSC” you can increase the strength on the MamaTENS “My Time” in very small steps which is much more comfortable than conventional TENS units.

MamaTENS “My Time” other features:

- **Preset programmes and intelligent “Active Power” ramp**
The **MamaTENS “My Time”** has 2 preset programmes. These programmes have been clinically proven to give relief from labour pain. Both programmes have a boost facility so that they can be used between and during contractions. A power ramp facility, a variation of “intense TENS”, has also been included to help counter extreme pain. In **Active Power** ramp mode, as long as you keep your finger pressed, the strength keeps increasing beyond normal settings to action the third pain relief mechanism of TENS called “**Brief Intense TENS**”, to help counter extreme pain. You can use the intelligent **Active Power** control to hold the strength just below the highest you can stand.
- **Easy Start - One Touch Memory**
The **MamaTENS “My Time”** has intelligent memory that enables the unit to remember the last programme and the strength setting used. The strength level goes back to 75% of the last level used.
- **2-in-1 Lead Connection**
Unique single plug connection for both channels which simplifies lead connection and management during use.
- **Backlit LCD screen**
Makes the screen easy to read.
- **Sculptured keypad**
Makes it easy to select the right button.

2. HOW “TENS” WORKS

TENS stands for Transcutaneous Electrical Nerve Stimulation. TENS stimulates your body’s own natural defences against pain.

TENS has been used by thousands of expectant mothers and is commonly used as part of the birth plan.

You can use it from the start of the first contraction at home and take it into hospital with you. Some women find that TENS is the only pain relief they need during their labour.

THE ADVANTAGES OF TENS

- **Allows mother to control her pain relief**
- **Allows mother to be mobile during labour**
- **Can be used at home and taken into hospital**

TENS sends a very small electric current through the skin which works in THREE ways:

Pain Gate

Stimulating the sensory nerves, which carry touch and temperature signals. These nerves go to the same connections in the spine as the nerves carrying pain. A strong sensory signal will block the pain signal travelling up the spine to the brain. This is known as the "Pain Gate".

Endorphin Release

At low frequency settings, and slightly stronger output, TENS drives the motor nerves to produce a small repetitive muscle contraction. This is seen by the brain as exercise and this promotes release of Endorphins – your body's own natural pain killer. The relief builds up and normally takes about 40 minutes to reach a maximum level which can last for hours.

Brief Intense

A very strong TENS signal produces an additional pain blocking effect for a short period of time.

3. THE PROGRAMMES

The i-touch MamaTENS has 2 preset and a Power Ramp programme.

Each of the two preset programmes is in two forms
First preset programme is shown on the screen as "A Int" and "A Con".

Second preset programme is shown on the screen as "B Int" and "B Con".

Programme A is for early labour with mild contractions.

(This can last a long time)

A Int: This is the first programme to be used from the onset of labour. It is for the period between contractions and is shown on the display as "Int" for "interval". It gives a pulsing sensation.

When a contraction starts press the BOOST button to change to **A Con**.

This is the programme to be used during contractions and gives a continuous tingling feeling.

At the end of a contraction, press the BOOST button again to return to **A Int**.

Some mothers can go right through their whole labour using only the “A” programmes. Other mothers will want to change to the “B” programmes as the pain increases to moderate. Do this by pressing the “P” (Programme) button once.

As before, **B Int** should be used in the interval between contractions. Press the BOOST button to change to **B Con** when a contraction starts.

You may notice that the strength in the upper pads is slightly greater than in the lower pads -this is intentional and part of the therapy.

If your labour pains become extremely severe or if you do not start using the unit until late into your labour, thereby not allowing time for the endorphin release to take effect, then use the “**Power Ramp**” programme.

Power Ramp: Shown on the screen as “**C AP**” (Active Power).

This programme allows you to ramp up the strength until it distracts you from your labour pain. The strength is completely in your control (See page 3).

4. CONTRAINDICATIONS

Before using mamaTENS Mytime, please read the following contraindications, cautions and warnings carefully.

Do not use TENS:

- **If you have a heart pacemaker or have a heart rhythm problem.**
TENS in the direct vicinity of a pacemaker may affect some models. If TENS is applied on the front of the neck this can affect your heart rate. Very strong TENS across the chest may cause an extra heartbeat.
- **If you have epilepsy.**
TENS may affect seizure threshold. You should consult your doctor prior to using the mamaTENS unit.
- **During the first three months of pregnancy.**
It is not known whether TENS may affect foetal development
- **On the abdomen in the later stages of pregnancy.**
Stop use immediately if you experience unexpected contractions.
- **When driving, operating machinery, or similar actions needing fine control.**
Loose pads, damaged leads, or sudden changes in contact may cause brief involuntary muscle movements
- **To mask or relieve undiagnosed pain.**
TENS may delay diagnosis of progressive condition.

5. CAUTIONS & WARNINGS

Caution:

- Observe caution when using the **mamaTENS** at the same time as being connected to monitoring equipment with body worn electrode pads; it may interfere with the signals being monitored.
- Strong electromagnetic fields (electrosurgery/microwave cookers/mobile phones) may affect the correct operation of this unit - See section 17. If it appears to behave unusually, move it away from these devices.
- Use caution following recent surgical procedures. Stimulation may disrupt the healing process.

Do not place electrode pads:

- **On broken skin.**
The pads could encourage infection.
- **On skin which does not have normal sensation.**
If the skin is numb, too great a strength may be used, which could result in skin inflammation.
- **On the front of the neck.**
Could cause the airway to close, giving breathing problems. May cause sudden drop in blood pressure (vasovagal response).
- **Over the eyes.**
May affect eyesight or cause headaches

- **Across the front of the head.**
Effect on patients who have had strokes or seizures is not known. May affect sense of balance. The effects of stimulation of the brain are unknown.
- **Near malignant tumours.**
In vitro experiments have shown that electricity can promote cell growth.

Do not:

- **Ignore any allergic reaction to the electrode pads.**
If a skin irritation develops stop using TENS and try a different type of electrode. Alternative pads specially made for sensitive skin are available, see section 16.

Also do not:

- **Immerse your TENS unit in water or place it close to excessive heat.**
It may cease to operate correctly.
- **Attempt to open up the TENS unit.**
This will invalidate the guarantee.
- **Mix old, new or different types of batteries.**
- **Use this device with leads, electrodes, and accessories other than those recommended by the manufacturer.**
Performance may vary from specification.

IF IN DOUBT CONSULT YOUR MEDICAL PRACTITIONER, MIDWIFE OR OBSTETRIC PHYSIOTHERAPIST

6. MAMATENS My Time CONTROLS



On Button

To switch unit on: Press and hold down for 3 seconds. When the unit is switched ON an audible “Beep” will be heard.

One Touch Memory Start

When switched on the unit will automatically start in the programme which was being used when it was switched off. The strength returns to around 75% of the level that was being used when the unit was switched off. This dramatically simplifies the start up. To stop the increase in strength at any time during start-up, press any key once.



OFF Button

To switch unit off: Press and hold down the button for 3 seconds and the unit will switch off. Alternatively, press and release the OFF button until the LCD screen displays 0; if you press again it will switch the unit off. When the unit switches OFF an audible double “Beep” will be heard. **NOTE:** Always check unit is OFF before removing pads.



Programme Button

The MamaTENS “My Time” has specially selected programmes. When you FIRST switch on the unit, it starts in programme A. Each time the “P” button is pressed and released the programme changes, with the LCD display showing the programme selected. If you switch the unit back on within 2 hours it will default to the programme last used. If not it will return to programme A.



Strength UP Button

To increase strength: Press and hold down until required strength is achieved. No sensation will be felt through the pads until the strength reaches at least the 2.5mA level. Press and release to increase in 0.5mA steps



Strength DOWN Button

To decrease strength: Hold down button and strength will decrease in 0.5mA steps.



BOOST Button

Press the Boost button when your contraction begins, to change the mode from **Int** to **Con**. Press again when you want to return to **Con**.



Time in Labour Button

Press this button to see how long you have been using your MamaTENS “MyTime”, in hours and minutes.

After 3 seconds, the display reverts to normal.

To reset the time to zero, hold down the key for 5 seconds. The time automatically resets when the MamaTENS “My Time” has been turned off for more than 2 hours.



The time in hours and minutes

7. SCREEN DISPLAY



Duration

Shows the length in seconds of your last contraction. The counter starts when you press the **Boost** button to start “**Con**” mode to the time you press it again to return to “**Int**” mode. It continues to show the time until the start of your next contraction.

Interval

Shows the length of time in minutes and seconds between the start of your last two contractions.

When Contractions are less than 5 minutes apart and they last longer than 30 seconds, the display will pulse.

After 30 minutes, this pulsing will stop.

If you prefer not to see these time displays, you can turn them off:

Hold down **Time in Labour** and **Strength Down** buttons together for 3 seconds to turn off clock display.

Hold down **Time in Labour** and **Strength Up** buttons together for 3 seconds to turn on clock display.

8. CONTENTS

- MamaTENS “My Time” maternity unit.
- Pack of maternity pads with integral mono leadwire (item code E-CM50100IT-NEW).
- 2 x Batteries AA 1.5v (Type LR6).
- Instruction Manual.
- Neck Cord with quick release.
- Transit Pouch.

With RENTAL UNITS

Display box and Transit Pouch are replaced with a clear plastic rental box

The unit comes with a pair of batteries already inserted

A Reply Paid Envelope for return of your rental unit

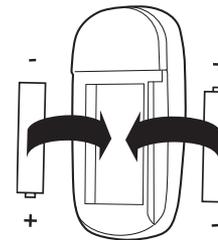
Before using your mamaTENS Mytime, please read this manual thoroughly, especially the safety notes and precautions.

9. INSTALLATION OF BATTERIES



Remove Battery Cover

Press down in centre of battery cover and slide backwards in direction of raised arrows.



Insert batteries

Ensure that the ribbon goes behind the batteries to aid removal.

Ensure that the batteries are inserted the right way as shown in battery compartment.

When the batteries are running low a low battery indicator will show on the screen (battery symbol).

The strength of the batteries will affect the performance of the MamaTENS “My Time” and the sensations will seem faint even on the higher strength settings.

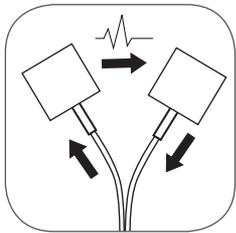
Disposal of batteries: Always dispose of batteries safely. Do not throw onto a fire.

10. CONNECTING MONO LEADWIRE



Insert the Mono leadwire plug into the base of the unit. **Please note that it has been designed to only insert one way.**

11. POSITIONING THE PADS



Electrode pads must always be used in pairs, so that the signal can flow in a circuit.

Correct positioning of the pads will give maximum pain relief, so please study the photo and then follow these instructions:

1. Make sure the unit is switched off before applying the pads.
2. Make sure your skin is clean and dry before applying the pads.
3. Carefully peel the pads off their plastic liners. Do not pull on the leadwire. Keep the liners in case the pads are to be used again.

11. POSITIONING THE PADS (continued)

4. Place the top pair of pads (**with white leads**) either side of the spine about 4 inches (100mm) apart from each other just below your bra line.
5. Place the lower pair of pads (**with black leads**) either side of the spine about 4 inches (100mm) apart and about 1 inch (25mm) above the dimples at the base of the spine, just above the buttocks.

NB: It is important to make sure that the pads are fitted correctly, white being the top pair and black the bottom pair.



12. WHEN YOUR LABOUR STARTS

To get the best results from your MamaTENS “My Time” start using it as soon as your labour starts.

1. Press and hold the **ON Button** until the screen lights up.
2. Check that the programme is “**A int**”.
3. Press and hold the **Strength UP Button** until you feel the stimulation through the pads and the feeling is comfortable then release.
4. The feeling through the pads will appear to lessen as your body gets used to the stimulation. Press the **Strength UP Button** again until you feel the stimulation at a comfortable level.
5. As you feel your contraction begin, press the **Boost Button** and release. The programme will change to “**A con**” at the same level of strength.
6. At the end of your contraction, press the **Boost Button** again and the programme will change to “**A int**”, again at the same strength level.
7. Remain in programme “**A**” for as long as possible, switching between “**A int**” and “**A con**” as necessary and simply increasing the strength as your body accommodates.

8. If the pain goes deep, normally when you are in the later stages of labour, then in between contractions press the Programme button and the unit will go to “**B int**” at zero strength. The strength will then gradually increase to about 75% of your previous setting. Press and hold **Strength UP Button** until you feel the stimulation through the pads and the feeling is comfortable then release. Increasing the strength as your body becomes used to the stimulation.

9. As you feel your contraction begin press the **Boost Button** and release. The programme will change to “**B con**” at the same level of strength.

10. At the end of your contraction press the **Boost Button** again and the programme will change to “**B int**”, again at the same strength.

11. Continue to go from “**B int**” to “**B con**” either until the end of your labour or just before the end of your labour, go back to programme “**A**”. To return to programme “**A**” press the **Programme Button** twice more.

N.B. You will possibly be aware that the stimulation is slightly greater from the higher pair of pads (Ch1) is greater than the lower pair set of pads (Ch2). This is intentional and part of the therapy.

13. EXTRA PAIN RELIEF

If the level of pain becomes extreme or if you did not start using the unit sooner enough to allow for the full endorphin release then it is suggested that you go to programme “C AP”.

ACTIVE POWER

In this programme the strength “Power Ramps” up and which brings into play “Brief Intense” pain relief. It also acts as a distraction.

In between contractions press the programme button until the screen displays “C” in the top left-hand corner. The strength will be at zero. Press the **Strength UP** button until the stimulation is comfortable. As the contraction begins press and hold down the **Boost** button so that “AP” is displayed on the screen. This will ramp up the strength. Hold down the button until the stimulation is as strong as you can bear. At that moment release the button and the strength will immediately start to fall. If you press and hold the button now, it will sustain the strength at this level as long as you want. When you release the button, strength will return to the level it was before you first pressed the Boost button.

14. GENERAL INFORMATION

TRIAL RUN

It is recommended that you have a trial run with your **MamaTENS “My Time”** before your labour starts so that you know how it works, where to put the pads and what the stimulation in the programmes feels like. After your trial run, return the pads to the clear plastic film and store in the re-sealable bag. Make sure that the **MamaTENS “My Time”** is switched off before removing the pads.

QUICK RELEASE NECK CORD

Your **MamaTENS “My Time”** is supplied with a quick release neck cord. The neck cord allows for the unit to be hung around your neck if required. To fit the neck cord simply pass it through the loop at the top of the unit.

CAUTION: Do not substitute string or a regular necklace as such items may not open in the event of a snagging.

EASY START – ONE TOUCH MEMORY

The **MamaTENS “My Time”** has intelligent memory that enables the unit to remember the last programme used, and reverts to it at the touch of one button. At the same time, the strength gently ramps up to around 75% of the level last used. This memory start will not occur if the batteries have been replaced.

PAD ALARM

The **MamaTENS “My Time”** monitors the condition of the pads during use and the quality of the connection to the body. If either deteriorates to a point where the stimulation is affected detrimentally, the word **“PADS”** will flash on the screen and an audible beep will be heard. This will probably occur if one of the pads has come away from your body. Check all four pads. If a pad does partly or entirely come away from the body, the Comfort Strength Control feature automatically lowers the stimulation proportionally to reduce any discomfort you may feel. When the pads are put back, the stimulation will automatically return to the original level. The **“PADS”** alarm only works when the strength exceeds 5.0mA.

PADS

The pads supplied are **MamaTENS 50x100mm** superior multi use self adhesive pads (item no: E-CM50100IT). The pads and mono leadwire are moulded together to simplify use.

Please Note:

- i) Do not immerse the pads in water as they are water-soluble.
- ii) Even though the pads are hypo-allergenic, on rare occasions skin irritation can occur. If this is significant, stop using the unit and remove the pads. You can call our helpline for further advice.
- iii) Do not apply pads to broken skin, or to skin which does not have normal sensation.

POST NATAL USE

If you are in pain following the birth, you can obtain further relief from the **MamaTENS “My Time”**. It is effective for afterbirth pain, episiotomy, tears and back pain.

USE DURING AND AFTER CAESAREAN

Even if you decide to have a caesarean you can still use the **MamaTENS “My Time”**, during the early part of your labour, either at home or at the hospital.

For pain relief following a caesarean, place the pads where you get the best relief, avoiding the immediate area of the scar.

BATTERY REMOVAL AND REPLACEMENT

When the batteries need to be changed, the low battery sign, “BATT”, will be displayed on the screen. To remove batteries, pull gently on the ribbon that goes around the back of the batteries.

Battery type: ONLY use either 1.5 AA alkaline batteries or NiMH AA rechargeable batteries.



NEVER attempt to recharge an alkaline battery - There is a risk of explosion. DO NOT mix batteries of different types.

Disposal

Always dispose of batteries as per government guidelines (see section 18). Never put batteries in a fire, nor try to disassemble them. Do not attempt to revive alkaline batteries by heating, charging or other means.

Warning

- Keep batteries out of the reach of small children.
- If battery leakage occurs and comes in to contact with the skin or eyes, wash thoroughly with lots of water.
- Seek medical advice immediately if you believe a cell has been swallowed.

HELPLINE

A helpline is available, Monday to Friday. Call: 01372 72 34 34

Or Email: ask@mama-tens.info

RETURNING YOUR RENTAL UNIT

If you rented your **mamaTENS MyTime** your machine should have been sent to you three weeks before your due date.

The rental period is for five weeks, but if you need more time just call us before the end of the rental period and we'll arrange an additional two weeks absolutely free of charge.

Sending your maternity TENS machine back at the end of the rental period is very easy.

- You'll have received a pre-paid envelope with your machine so simply put the unit, neck cord, unused batteries and manual back in the box - no need to include the lead wires and pads - pop the box into the envelope and drop it in at the post office.
- You'll need to ask for a proof of posting certificate at the post office but it's all free of charge and very straightforward.
- If you rented by purchasing a **voucher or DVD**, do NOT return the unit to the shop where you made the purchase. It should only be returned in the envelope provided.



15. GUARANTEE

(Refers only to **MamaTENS “MY Time”** units that have been purchased).

Your unit is guaranteed for two years from the date of purchase. If a fault develops, return the unit to MamaTENS at the address on the back cover, together with a copy of your invoice and details of the problem.

The guarantee does not cover the batteries, electrode pads or mono leadwire.

Please note that the Guarantee is invalidated if

- i) incorrect batteries have been fitted.
- ii) the unit has been immersed in water, maltreated or tampered with.
- iii) the unit has not been used with genuine **MamaTENS** or **Tenscare** electrode pads.

16. TROUBLESHOOTING

Problem	Possible causes	Solution
No display	Flat batteries	Replace batteries
	Batteries inserted incorrectly	Check
	Damaged battery contacts	Contact supplier
Low battery display	Low batteries	Replace batteries
No sensation	Incorrect connection	Have you applied both electrode pads (per lead wire) to ensure a complete circuit?
	Not strong enough	Increase strength Most users will feel something at a setting below 20
PAD alarm	Incorrect connection	Ensure machine is attached to your body correctly
	Lead faulty/damaged	Purchase replacement if necessary

If the above review has failed to resolve your problem, call TensCare or your local dealer (address on back cover) for advice.

Or if you have any questions or need more information you can contact TensCare at anytime via our website, www.tenscare.co.uk or by phoning 01372 723 434.

17. CONSUMABLES AND SERVICING

(Refers only to **MamaTENS “MY Time”** that have been purchased)

To ensure reliability and hygiene, use only genuine rectangular electrodes with integral leads:

For units after 5140001, we are using part number E-CM50100IT-NEW

For units before 5140001, we are using part number E-CM50100IT

Please note: these are the part numbers according to the TensCare website.

These are available from either your supplier or by ringing

01372 723434 or by going to www.tenscare.co.uk.

Please ensure that you order the correct pads.

Batteries can also be purchased in the same way or on the high street.

They are AA 1.5v alkaline batteries.

For servicing please return the unit to: TensCare Ltd, 9 Blenheim Road, Longmead Business Park, Epsom, Surrey KT19 9BE. Please ensure that you enclose your name, address and contact telephone number so that you can be contacted and informed about any problem and any costs involved.

Expected Service Life

- The machine will often last for more than 5 years, but is guaranteed for 2 years.
Accessories (leads, pads, and batteries) are not covered by the guarantee.
- Lead life depends greatly on use. Always handle the leads with care.
- Pads should last 12-20 applications, depending on skin condition and humidity.
- AA alkaline batteries should last about 48 hours continuous use.

18. DISPOSAL OF WASTE ELECTRICAL AND ELECTRONIC PRODUCTS (WEEE)

(Refers only to **MamaTENS “MY Time”** that have been purchased)

One of the provisions of the European Directive 2002/96/CE is that anything electrical or electronic should not be treated as domestic waste and simply thrown away. To remind you of this Directive all affected products are now being marked with a crossed-out wheelee bin symbol, as depicted below.

To comply with the Directive you can return your old electro-therapy unit to us for disposal. Simply print a postage-paid PACKETPOST RETURNS label from our websites www.mama-tens.info or www.tenscare.co.uk, attach this to an envelope or padded bag with the unit enclosed, with your name and address and a note to say that this machine is being returned for disposal, and post it back to us. Upon receipt we will send your old device for components recovery and recycling to help to conserve the world’s resources and minimise any adverse effects on the environment.



19. TECHNICAL SPECIFICATION

Waveform	Asymmetrical Bi-Phasic
Amplitude (over 500 ohm load)	70mA zero to peak +ve in steps of 0.5mA Constant current over 500-1500 Ohm Constant voltage when PADS signal shows.
Output plug	Fully shielded: touch proof mini USB
Channels	Dual Channel
Batteries	2 x AA Alkaline (Two AA batteries) OR rechargeable NiMH
Weight	90 gms without batteries
Dimensions	110 x 53 x 30mm

Safety Classification  Internal power source. Type BF
Designed for continuous use.
IP22. No special moisture protection.

Environmental Specifications:

Operating:		Temperature range: 5 to 40C: 15 to 93% RH non-condensing
Storage:		Temperature range: -25-+70C RH 93% Humidity non condensing

Contact Duration: at least 10 minutes



Equipment providing a degree of protection against electric shock, with isolated applied part.



This symbol on the unit means "Refer to Instruction Manual"



The unit is not water resistant, and should be protected from liquids.

NB: The electrical specifications are nominal and subject to variation from the listed values due to normal production tolerances.

Programme Settings

Display	Mode	Frequency/Pulse Width
A1	Burst	80Hz 150µs
A1 Boost	Continuous	80Hz 150µs
B2	Burst	150Hz 150µs
B2 Boost	Continuous	150Hz 150µs
C3	Ramp	80Hz 250µs

Symbols Used



Attention! Please follow the instructions in the User Manual.



TYPE BF EQUIPMENT: Equipment providing a degree of protection against electric shock, with isolated applied part. Indicates that this device has conductive contact with the end user.



This symbol on the unit means "Refer to Instruction Manual".



Temperature Limitation: indicates the temperature limits to which the medical device can be safely exposed.

LOT

Lot Number: indicates the manufacturer's batch code so that the batch or lot can be identified.



Humidity Limitation: indicates the humidity limits to which the medical device can be safely exposed.

S/N

Serial Number: indicates the manufacturer's serial number so that a specific medical device can be identified.



Do not dispose in household waste.

REF

Catalog Number: indicates the manufacturer's catalog number so that the device can be identified.



This medical device is not water resistant and should be protected from liquids.



Atmospheric Pressure: indicates the atmospheric limits to which the medical device can be safely exposed.



Date of Manufacture: indicates the date which the medical device was manufactured. This is included within the serial number found on the device (usually in the battery compartment), either as "E/Year/Number" (YY/123456) or "E/Month/Year/Number" (MM/YY/123456).



This medical device is indicated for home use.

IP22

The first number 2: Protected against access to hazardous parts with a finger, and the jointed test finger of 12mm \varnothing , 80mm length, shall have adequate clearance from hazardous parts, and protected against solid foreign objects of 12.5mm \varnothing and greater. The second number 2: Protected against vertically falling water drops when enclosure is tilted up to 15°. Vertically falling drops shall have no harmful effects when the enclosure is tilted at any angle up to 15° on either side of the vertical.

20. EMC PRECAUTIONS

Wireless communications equipment such as wireless home network devices, mobile phones, cordless telephones and their base stations, walkie-talkies can affect this equipment and should be kept at least a distance $d = 3,3$ m away from the equipment.

(Note. As indicated in Table 6 of IEC 60601-1-2:2007 for ME EQUIPMENT, a typical cell phone with a maximum output power of 2 W yields $d = 3,3$ m at an IMMUNITY LEVEL of 3 V/m).