

ELANRA.
Medical Negative Ionisers

Portable Ioniser MkIII
www.negativeions.com

Instruction Manual



Promoting **Health** through Negative Ions



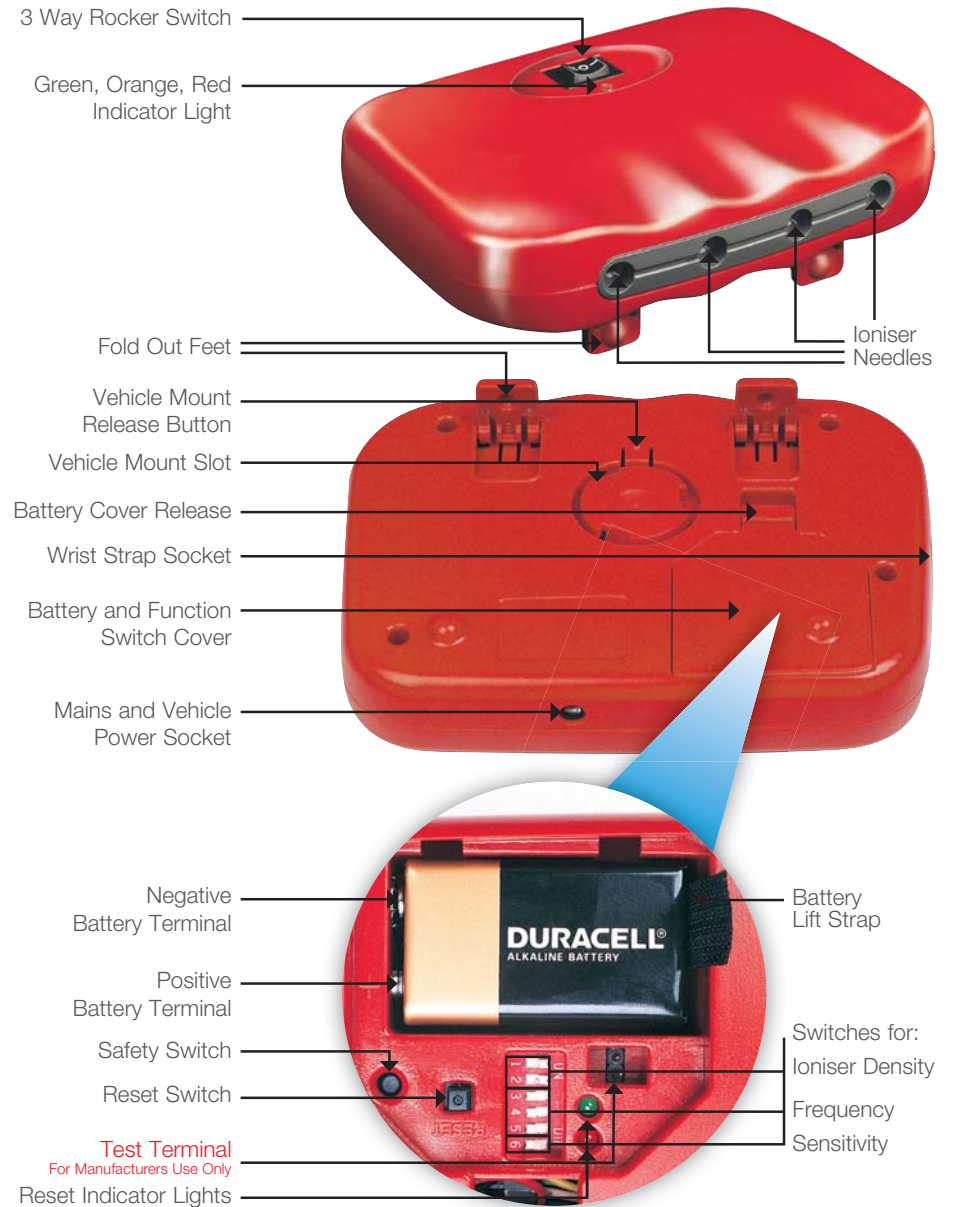
Joshua Shaw

Congratulations on your purchase of the Elanra MkIII Portable. A remarkable health giving product that has been designed and developed using the latest ionisation and electronic technologies by Bionic Products the negative ion experts.

The Elanra MkIII's characteristic, portability and versatility are unique amongst other ionisers currently on the market. It's main characteristic is in it's therapeutic and biological nature that produces small negative ions. Whilst, the Elanra MkIII's portability means you can use it almost anywhere, home, office, hospital, car, plane, boat, train or bus. It can be operated from different power sources; Universal Mains, Vehicle and 9V Battery. However, it is **not** designed to be used on metal surfaces or in steam rooms or saunas.

The Elanra MkIII's versatility is vested in it's ability to be customised to your own health needs, be it to promote health and wellbeing or indeed to improve and restore health and enhance your quality of life.

To experience the many health giving benefits from using the Elanra MkIII Portable we suggest you switch the Elanra on, relax, and take a slow deep breath... ENJOY!



1.0 Your purchase contains the following

- Elanra MkIII Portable (thereafter to be known as the Elanra);
- International Power Pack and International Plugs;
- Wrist Strap;
- Vehicle Mounting Kit;
- Hook-up Wire and Accessories

2.0 Decide on power source needed and Switch your Elanra on

(i) **Universal Mains** – Unpack the charger kit supplied with your purchase and connect one of the four supplied international adaptors specific to your country's power source. Connect the adaptor to the mains power and the charge jack to the rear of the Elanra (Fig.21).

- Unfold the Elanra's feet (located at the base of the Elanra), and place your Elanra on a firm area that is preferably made from natural products (Fig.19).

NB. When using your Elanra try to avoid placing it on laminated or metal surfaces.

- Ensure your mains supply is switched on; locate the three way rocker switch on the top of your Elanra (Fig.1). [It is labelled = ● –]. Move the rocker switch to the – position and a small green light just above the ● will shine to indicate the Elanra is now working (Fig.22).

- To switch off your Elanra just return the rocker switch to the ● position.

(ii) **9V Battery** – There are occasions you will want to use your Elanra when mains electricity supply is unobtainable (hospitals, boats, planes, trains, buses, etc.). For this purpose you can use your Elanra with a 9V battery that will give you between 10-20 hours of Elanra usage depending on the custom setting chosen. When using this feature it is imperative that the accompanying wrist strap is firmly plugged in to the Elanra (Fig.25), and then strapped to your wrist.

To use the Elanra with the 9V battery facility complete the following steps:

- To insert your 9V battery make sure the rocker switch at the top of the Elanra (Fig.1) is in the ● position.
- Then turn over the Elanra and locate the battery cover (Fig.23).
- Insert the battery as shown (Fig.24) matching the + and – signs above the battery compartment. (The ribbon is to wrap around the battery to enable easy removal of the battery).
- Once the battery is successfully inserted replace the cover securely. If this is not done the Elanra will not work.
- Now plug in the wrist strap provided to the side of the Elanra (Fig.25), and then strap to your wrist before switching the Elanra on.
- Once this has been undertaken you are ready to switch the Elanra on using the three way rocker switch, but this time press the rocker switch to the = position (Fig. 26).
- The green indicator light near the rocker switch will indicate that your Elanra is now working.
- To switch your Elanra off return the rocker switch to the ● position.

(iii) **Vehicle use** – Your Elanra can be used in vehicles such as cars, trucks, caravans or mobile homes provided the Vehicle Mounting Kit (provided) has been installed by a qualified auto electrician. (Fig.34&28). The instruction for installation of the Vehicle Mounting Kit is in Appendix 1.

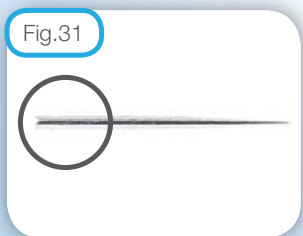
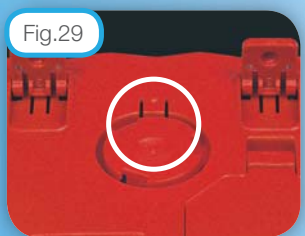
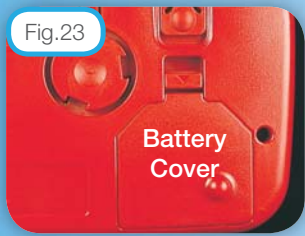
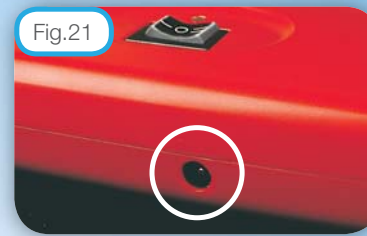
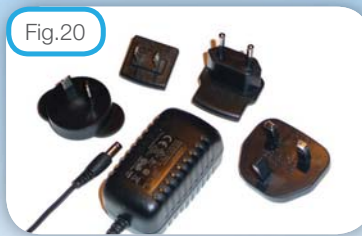
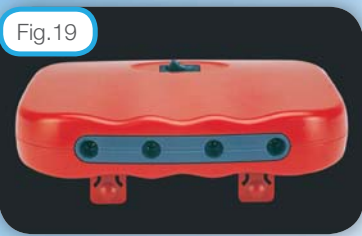
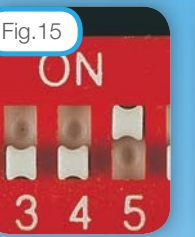
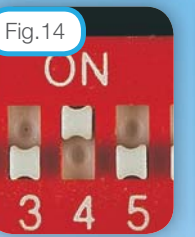
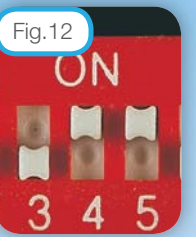
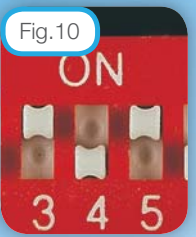
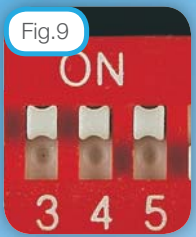
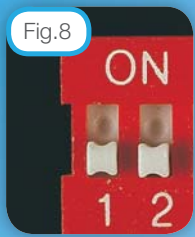
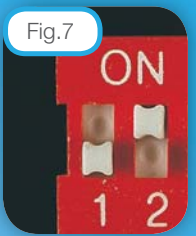
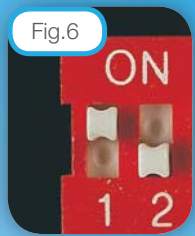
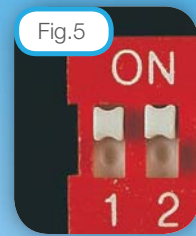
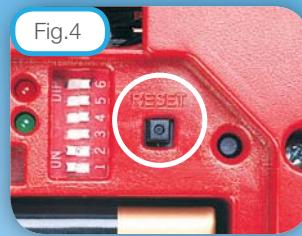
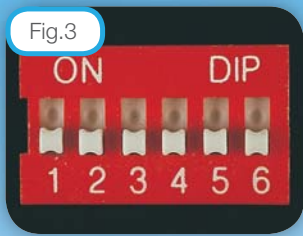
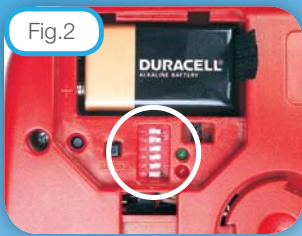
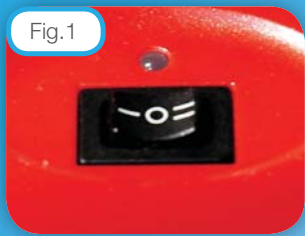
To use the Elanra in a vehicle simply follow these instructions;

- Line up the Elanra with the arrows (Fig.27) (slightly anti clockwise from the desired position),
- Rotate the Elanra clockwise until it clicks into place,
- Plug the power jack (Fig.33) into the rear of the Elanra (Fig.21),
- Press the three way rocker switch on the top of the Elanra to the – position (Fig.22), and ensure the small green light is illuminated to state your Elanra is now working. If the Elanra is incorrectly wired, no light will show at all,
- If leaving your vehicle for any length of time in hot climates you are advised to remove your battery,
- To remove your Elanra, first return the rocker switch to the ● position,
- Unplug the power lead and click it into the Vehicle Mounting Kit (Fig.28) this will hold the lead firmly in place while you are driving,
- Locate the release button (Fig.29) on the underside of the Elanra, press the release button and turn the Elanra anti clockwise to release from it's position.

3.0 Functions of the Light Indicator

On top of the Elanra, near the power switch is a light. It has various functions as outlined below:

Function	Description	Light Pattern
Power ON	When the Elanra is powered on, the machine will display RED, quickly followed by GREEN. This means that your customised settings have been loaded successfully into the Elanra's computer.	RED then GREEN
Low Battery	When the Elanra is operating on Battery, the machine will display alternating RED, GREEN, RED, GREEN etc. indicating immediate battery replacement.	RED, GREEN Continuous
Needle Wear	When the Elanra's needles need replacing, the light will show an ORANGE light continuously. This means that replacement needles need to be ordered then replaced. You will have approximately 10 days to do this before the machine shuts down.	ORANGE
Shut Down	When the Elanra has shut down due to the non replacement of the needles, the light will BLINK RED and will continue to do so until the needles are replaced. No ions of any kind are being produced.	Blinking RED
System Malfunction	When the Elanra has a problem, the RED light will illuminate. Turn the machine off then back on. If the RED light still is showing. The machine needs servicing. Contact your store of purchase.	RED



APART FROM THE CASE, COMPONENT PARTS MAY VARY IN COLOUR BASED ON THE DATE OF MANUFACTURE

4.0 Customised settings

Part of the uniqueness of the Elanra is the ability to customise your settings to match your particular health concerns, be it for health promotion, or, to restore and maintain your health. Such flexibility is based on research on negative ionisation, which supports the view that different densities of negative ions have different effects on individuals based on their health requirements. This is also characterised by the need for different frequencies, (Zeydel, RE ,1980).

The Elanra is supplied with a basic setting that supports general health and well being however, should you need or want to customise your programme that better serves your health needs, then follow these instructions to access the six switches in the battery compartment;

- Ensure the Elanra three way rocker switch is in the **●** (off) position,
- Turn the Elanra over and locate the battery cover and remove, (Fig.23),
- Locate the six switches (Fig.2&3),
- The six switches are divided into three distinct groups,
 - Ionisation Density 1 & 2 (Fig.5,6,7&8)
 - Ionisation Characteristic 3 & 4 & 5 (Fig.9,10,11,12,13,14,15&16)
 - User Sensitivity 6 (Fig.17&18)
- It is advised when changing the switches to use a wooden skewer or a similar blunt instrument.
- Follow the programme settings illustrated in the following tables for particular health needs.

Customising the Ionisation Density settings: Move switches 1 and 2 only.

Switch Settings	Where do you use it?
See (Fig.5)	Polluted or Smoky Environments Restaurants, Clubs, Offices etc.
See (Fig.6)	Good Health, Hotels, Motels
See (Fig.7)	Cars, Trucks, Taxis, Caravans etc.
See (Fig.8)	Aircraft

Customise the Ionisation Characteristic (Frequency) Settings: Move switches 3, 4 or 5 only.

Switch Settings	Desired Suggested Effect
40 Hz see (Fig.9)	Air cleaning only
32 Hz see (Fig.10)	May assist in relieving pain, also used with addictions
25 Hz see (Fig.11)	Generally stimulating, can assist with stress and low vitality
16 Hz see (Fig.12)	Generally used for rheumatic complaints
10 Hz see (Fig.13)	Alpha, for meditation, help through relaxation, the generation of ideas and especially learning for both adults and children
8 Hz see (Fig.14)	Suggested analgesic tonic
7.83 Hz see (Fig.15)	Schumann Resonance relieves anxiety and increases dreaming
4 Hz ssee (Fig.16)	Has been shown to stimulate the immune system

Customise the Ionisation Sensitivity Setting: Move switch 6 only.

NB. Reference to sensitivity here means that the programmes are to be used by people whose health condition is in a weakened state. Programme 1 (Fig.17) allows for intermittent exposure to negative ions with an automatic timing setting of five minutes on and five minutes off. Sensitivity programme 2 operates the ioniser on a continuous basis.

Switch Settings	Ionisation Sensitivity
See (Fig.17)	Elanra operates for 5 of every 10 minute period
See (Fig.18)	Elanra operates continually

The Elanra has now been customised to your settings, please replace the battery cover.

The Elanra will not operate unless the battery cover is back in place (Fig.23).

- Once completed your customised programme setting ensure you replace the battery cover before you switch your Elanra on using the three way rocker switch.

5.0 How do I care for and clean my Elanra?

Your Elanra comes with a ten year warranty and requires very little in the way of maintenance. Nevertheless, it does require some attention to keeping it clean (when turned off and unplugged from electricity mains supply and battery removed) and operating within safe guidelines as illustrated below:

- As the Elanra is made from a special compound of non-allergenic plastic, clean with a moistened cloth using a blue ammonia based window cleaner such as Windex® (any odour is neutralised after a few minutes) on a regular basis to remove build up of pollutants and grime that has been removed from the atmosphere during the process of ionisation;
- It is not advised that you burn wax candles in the presence of the Elanra except those that are made from palm oil, such as Stearin candles. The reason behind this is because when burning ordinary wax candles they give of carbon into the atmosphere and because of the air cleaning nature of the Elanra (see previous point), it may blacken the localised area and spoil your decor/furniture.
- Do not spray liquid onto the Elanra or immerse the Elanra in water;
- Change the needles when indicated and please note that the needles cannot be cleaned.

6.0 Replacing and Ordering New Needles

Your needles are a key component of your Elanra and have been designed using specially developed alloys. With constant use their effectiveness will last for 1200 hours. At this point your indicator light (on top of your Elanra) will shine orange for 100 hours indicating the need to immediately replace the needles, after which the light will turn red and the Elanra will close down.

To purchase your new needles go to www.negativeions.com or, purchase through your local dealer. AND, to remove your old needles and replace with new ones follow the instructions in Appendix 2.

If you do not replace the needles, the ions emitted will not be biologically active and your unit will only act as an air cleaner.

Reference: Ernst Edward Zeydel (1980) Hidden Healing Powers in the Electro-Magnetic Spectrum. Pub. EEZeydel. ISBN 0959499709 (0-9594997-0-9)

Appendix 1: Vehicle Mounting Kit Instructions for Auto Electrician

The installation of the vehicle mounting kit for the Elanra ioniser should only be done by licensed Auto Electricians. Your local vehicle service agent may assist by recommending a qualified Auto Electrician.

1. Select and mark a location for the Elanra on the dashboard or rear parcel shelf inside the vehicle.
2. Two arrows inside the upper cup of the base indicate the position of the front of the ioniser (Fig.27). Loosen the cup using the enclosed Allen key (Fig.34). Fit the ioniser onto the upper cup with a twisting motion. Adjust to the desired angle of tilt, remove the ioniser from the base carefully, then lock the nut into position (try not to lose the desired position).
3. Drill a small hole to accommodate the electrical lead. Keeping the plug on the outside of the dashboard or rear shelf, thread the lead down through the hole. Allow sufficient slack for the plug to be connected to the ioniser.
4. Screw the base in position using suitable self tapping screws. The connection lead with the plug emerges through the tunnel shaped outlet on the edge of the base (Fig.28).
5. When wiring into the vehicle's electrical system, the recommended contact point is the Accessories position on the ignition switch. The marked cable is positive (Fig.33) and needs to be connected to the positive of the battery system. The negative must be a true chassis ground. If necessary, the fuse rating for the Elanra should be 500mA slow blow as it uses a maximum of 100mA in normal operation.
6. Mount the ioniser on it's base and insert the connector plug into the back of the ioniser.
7. Switch to – for on, ● for off.
8. When the ioniser is removed from the vehicle, the connector plug can be inserted and locked into the storage slot on the base directly above the electrical lead inlet (Fig.28).

To remove the Elanra from the vehicle, follow these steps:

1. On the top of the Elanra is a three way switch. It is labelled – ● = (Fig.1). Turn the switch to the centre ● position.
2. Unplug the power lead and click it into the vehicle mounting kit (Fig.28). This will hold the lead firmly in place while you are driving.
3. Locate the release button on the underside of the Elanra, press the release button (Fig.29), and turn the Elanra anti-clockwise.
4. The Elanra will then be available for other uses.

Appendix 2: Instructions for replacing needles in your Elanra

The needles in the Elanra are designed with the highest quality alloys. Even with the high quality design, the needles lose their effectiveness after approximately 1,200 hours (3 to 4 months). The Elanra will automatically let you know that they need replacing by indicating an orange light. When this light illuminates, order new needles.

To purchase your new needles go to www.negativeions.com or, purchase through your local dealer. One set of replacement needles is supplied with the original purchase of the Elanra.

WARNING: Do not press the reset button (Fig. 4) at any time other than when replacing the needles. Doing so will confuse the Elanra's micro computer, and you will not receive the maximum benefit from the machine.

Appendix 3: Commonly Asked Questions

1. When I apply power and turn the switch on for battery or mains power, the light does not turn on?
Answer: Battery Cover has not been replaced correctly.
2. I sometimes hear a loud pulsing noise from the machine! What is it?
Answer: Machine needs cleaning. The build up of dust is making the machine work harder. Use a cotton bud to clean around the needles so the socket is clean. Try reducing the Ionisation Density setting as it is too high for the environment which you are in.
3. Is the Orange light the same as a yellow?
Answer: Yes it is, some people see the light as yellow, and other people see it as orange.
4. Where do I purchase replacement needles from?
Answer: www.negativeions.com or your local Elanra distributor.
5. If I don't replace the needles when the Elanra's light is Orange, will it really shut itself down?
Answer: Yes, the Elanra's computer shuts down automatically. This is to ensure that the machine will only produce negative ions of oxygen.
6. Can I leave the battery in the Elanra when I am running off mains power?
Answer: Yes you can, but it is advised the battery is removed when using mains power.
7. What battery should I use?
Answer: Any 9V battery can be used, however Duracell is the preferred choice.

Disclaimer

There are many practitioners who treat medical conditions, such as Doctors, Surgeons, Chiropractors, Acupuncturists, Homeopaths, Naturopaths, Osteopaths, Chinese Medicine Practitioners, Herbalists and others. All offer treatments that may benefit the patient. Many of these modalities do assist in the treatment of ailments.

The Elanra offers a means by which naturally occurring negative ions are re-created to replicate those found in nature.

Bionic Products believes that this phenomenon will benefit you. Since many factors can influence the successful treatment of ailments, no warranty can be given that you will benefit from the processes described herein.

We recommend that you obtain your own medical advice as to your particular ailment and this company believes that you should not limit your choices.

ELANRA. Technical Specifications

Medical Negative Ionisers

www.negativeions.com

Programs

32 Individual user friendly settings.

Ozone Emission

Less than 0.005 part per million at 50mm from the needles, thereafter, undetectable.

ELF Fields

Undetectable.

Dimensions

168mm (6.6") Width x 37mm (1.45") Height
x 120mm (4.72") Depth

Therapeutic Range

1m² (3ft)

Air Cleaning Capability

25m² (272ft²)

Casing

Extreme care has been taken to use materials that are non-allergenic.

Needles

Replaceable alloy needles designed specifically for the output of small inhalable negative ions.

Power Sources

- 90V - 250V AC Mains Power - 50/60hz
- 12V DC External Power Source
- 9V Internal Battery

Included Accessories

- International Power Pack and International Plugs
- Wrist Strap
- Vehicle Mounting Kit
- Hook-up Wire and Accessories

Electronic Circuitry

Crystal controlled advanced programmable microprocessor circuit.

Workmanship Guarantee

Ten (10) year guarantee on labour and materials.

Elanra MkIII Portable Ioniser Results Summary

Designed for close-up personal use: in the car, truck, bus, train or in aircraft, hospitals, hotels, motels, restaurants, theatres etc. Produces biologically active small negative ions of Oxygen. After the therapeutic range, the Elanra Portable will continue to clean an area of 25m². 32 programmes are available to suit the individual's therapeutic requirements.

Circuitry

Crystal controlled micro-processor. Highest quality printed circuit board with all tracks and connections gold plated. Features 3 power inputs:

- 1. Mains Supply
- 2. Vehicle 12V Battery Supply
- 3. 9V Battery

Ion Discharge

- 4 special user-replaceable ionising needles
- Needles sit in 22kt gold plated receptacles on the circuit board
- Self diagnostic circuit including needle replacement alert system

Electrical & EMC Safety Standards

C-Tick - N11652
CE Mark - N6374
CE Hospital Medical - EN60601-1
CE Electromagnetic Compatibility - EN60601-1-2

Patents & Registrations

154/2000 - Design Patent.
169886 - This Medical Device is included on the Australian Register of Therapeutic Goods.
45436 - GMDN Code.

Designed and Manufactured by:

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Tel: +61-7-5593-1122
bionic@negativeions.com
www.negativeions.com

Australian Design Reg. 154/2000

Your Local Distributor:



Registered as a Medical Device by the Therapeutic Goods Administration (TGA) in Australia 169886.
CE Hospital Medical EN60601-1. Test for compliance with EN60601-1: 1993 plus amendments A1: 1993, A11: 1993, A2: 1995 and A13: 1996, Safety and Medical electrical equipment; IEC60601-1: 1998 plus amd 1: 1991 & amd 2: 1995, with USA and Australia deviations. 45436 Global Medical Device Number.