

Thank you for purchasing Eclear refree.

This manual describes the operating instructions and safety precautions for using the device.

Please be sure to read this manual carefully before using the device. After reading, keep the manual safe for future reference.

1st edition, March, 2018

Safety Precautions (please be sure to observe this)

The following descriptions are provided to explain matters that must be observed in order to prevent harm to the user as well as other people, along with damages to property.

■ The degree of the possible damage or risk you may cause if you misuse this product against these precautions are described in the following categories:

	Matters described this symbol indicates that there is "high probability of death or serious injury".
	Matters described with this symbol indicates that there is "high probability of death or serious injury can be anticipated".
	Failure to observe Cautions may result in personal injury or property damage.
	This symbol indicates a prohibited action.
	This symbol indicates a mandatory action.

	Danger
	Never use this product along with the following medical equipment: <ul style="list-style-type: none">Internally implanted electronic devices such as pacemakersElectrical medical equipment used for life support such as artificial heart and lung apparatusWearable medical electronic equipment such as electrocardiographs This product may open such equipment to malfunctions and may lead to serious consequences for your health.

	Warning
	Do not use this device around the heart, on the head, face, mouth, pndendum or any blemished skin areas. Doing so can cause accidents, injuries and poor physical health.
	Do not use the product for purposes other than treatment. Doing so can cause accidents, problems and malfunctions.
	Do not use the product together with any other therapeutic apparatuses. Doing so can cause poor physical health and can make the user feel unwell.

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	Warning
	Keep this product away from children and do not let them play or ride on the main unit or the gel pad. It will cause accidents or injuries.
	Do not allow any metallic object such as a watch or a necklace to come into contact with the gel pad during treatment. It will cause accidents or injuries.
	Do not use the product when the surface of the gel pad is missing or deteriorating. Doing so can cause accidents, problems and malfunctions.
	Make sure to turn off the power when you are connecting/disconnecting the gel pad, putting on / re-positioning / peeling off the gel pad or changing the gel pad. Such use could cause an electric shock or device failure.
	Individuals who fall under any of the following categories must consult a physician: <ol style="list-style-type: none">Being in the care of a physician, or feeling particularly ill;Having a malignant tumorHaving a cardiac or cranial nerve abnormalityDuring pregnancy, or immediately after deliveryHaving a temperature of 38°C or above (febrile) *Example 1: Acute onset of symptoms (e.g. fatigue, chills and blood pressure fluctuation) *Example 2: When feeling weakHaving an infectious diseaseHaving a skin sensory abnormality or skin problemHaving an acute (algetic) disease such as vertebral fracture, sprain or muscle strainBeing in need of restBeing on medicationHaving abnormal blood pressureHaving a limb disabilityBeing incapable of expressing one's own willHaving a sensory abnormality due to a severe peripheral circulatory disorder from diabetes or other causesHaving a low body temperatureHaving vascular insufficiencyShowing no effect after using for a whileThe gel pad does not suit the skin It will cause accidents or health problems.

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	Warning
	Do not disassemble, repair or modify the device. Doing so can cause fire and electric shock.
	This product is intended for one person use only. Do not use the product with multiple people. It will cause accidents or electric shock.
	Caution
	Do not use or store the product in locations described below. <ul style="list-style-type: none">Under direct sunlightIn high temperature areas such as near heatersIn high humidity areas such as in bathroomsNear waterIn dusty areasOn a vibrating surface Doing so can cause fire, electric shocks and malfunctions.
	Do not use while sleeping. It will cause accidents or injuries.
	Do not use the product immediately before or during operation of a car, motorcycle, bicycle and the like. It will cause accidents or problems.
	Do not leave the gel pads attached on the skin for long hours. Doing so can cause inflammation of the skin.
	Do not use the product when the gel pad is wet. It will cause an electric shock.
	Do not use the product for more than 15 minutes per location It will cause accidents or health problems.
	Do not use the product when two gel pads are overlapped. It will cause accidents or health problems.
	Please make sure the main unit and the gel pad are connected correctly and securely before use.

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	Caution
	Use the product after verifying that individual operation buttons operate normally.
	When you are using it for the first time or using it after not using it for a long period of time, please check that it operates correctly according to this instruction manual.
	Stop using the product and consult a physician if the use of the product causes strong irritation, or rash, reddening, itch or other anomalies with the skin. It will cause accidents or health problems.
	Avoid touching the USB port with any part of your body such as a hand or a finger. It will cause an electric shock, fault or malfunction.
	Do not insert any metallic object into the USB port. Doing so can cause heating and ignite fire.
	Avoid excessive pulling or bending of the cable, or placing heavy objects on the cable. It can cause cable damage, disconnection, and lead to a fire or electric shock.
	Do not use if the dedicated USB cable is damaged, or the USB port is loose. Doing so can cause ignition of fire and electric shocks.
	Do not charge the product using a transformer, such as a travel converter. Doing so can cause heating and ignite fire.
	Do not charge the product in a car using a cigar socket or the like. Doing so can cause ignition of fire, heat and electric shocks.
	Do not touch a special USB cable or a gel pad with wet hands. It will cause an electric shock, failure or accidents.
	Do not use a special cable for purposes other than charging the base unit. A special USB cable must not be used for communication purposes or for charging of other devices.
	Securely insert the special USB cable to the root when charging. Charging with improper insertion can cause ignition of fire or electric shocks.

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	Caution
	Be sure to charge the product at least once in three month. After it is completely discharged, charging might be impossible.
	If any failures occur, stop using it immediately and turn it off. Contact the dealer.
	Do not store this product in a place where children can reach it. It might cause an accident. Consult a physician immediately in the event an infant swallows the base unit.
	Do not pour water or liquid in the base unit or wet the base unit. Doing so can cause heating, explosions or ignite fire.
	When disposing, follow the instruction from your local municipal government.

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About This Product

Intended Use or Indications

This product is a low-frequency electronic pulse massager designed to prevent atrophy of numb muscles and provide massage benefits.

The product is intended for use at home.

About Low-Frequency Electronic Pulse Massager

A Low-Frequency Electronic Pulse Massager relieves stiff muscles by sending weak low-frequency electrical impulses across the surface of the skin through electrodes placed on the body to induce muscle contraction and produce muscle pump action and vasodilation that improve blood flow. The low-frequency electrical impulses also relieve pain by stimulating nerves and blocking pain signals to your brain.

Standard Treatment Time

The standard treatment time is approximately 15 minutes for one treatment area. Continuing beyond 15 minutes can cause poor health. The product incorporates a timer that automatically turns off power when about 15 minutes are elapsed since the start of a treatment.

Effective Treatment Time

The treatment is more effective when administered after a bath. It is more effective in increasing blood flow when the body is warmed up.

CAUTION: Wipe all sweat or moisture from the skin prior to use.

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Package Contents

Make sure there are no missing parts before use.

The product is packed with the greatest care, but if you still find any missing or damaged parts, contact the dealer you purchased the product from.

HCM-P011G2 Series	
Main unitx1	2 Point Padx1 (Consumables)
Dedicated USB cable, storage sheet, storage bag (small), attachments, User Manual (warranty card included)	

HCM-P011G3 Series	
Main unitx1	Wide Padx1 (Consumables)
Dedicated USB cable, storage sheet (designed for Wide Pad), storage bag (large), attachments, User Manual (warranty card included)	

HCM-P012G1 Series	
Main unitx2	1 Point Padx2 (Consumables)
Dedicated USB cable, storage sheet, storage bag (small), attachments, User Manual (warranty card included)	

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Optional Parts

To purchase optional parts, contact the dealer.

The following items are sold separately.

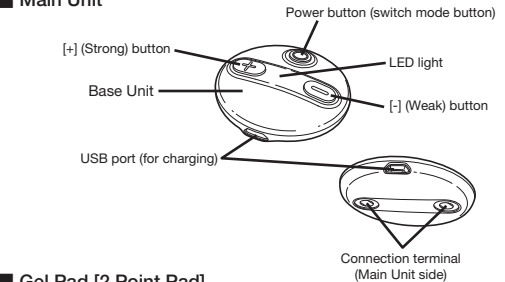
Trade name: Gel pad P01
Medical device submission No.: 27B2X00293000001

1 Point Pad (pair)	2 Point Pad (single)
Model: HCM-P01G1BU HCM-P01G1PN	Model: HCM-P01G2BU HCM-P01G2PN
Wide Pad (single)	ECLEAR dedicated USB charger
Model: HCM-P01G3BU HCM-P01G3PN	Model: HCM-AC2A01WH

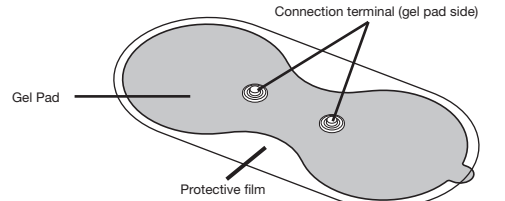
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Part Names

Main Unit



Gel Pad [2 Point Pad]



Dedicated USB Cable

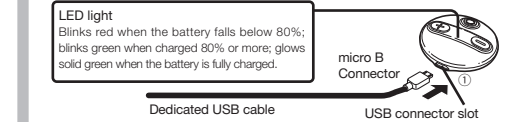


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Preparation [2 Point Pad]

Be sure to charge the product until it is fully charged prior to using the product (immediately after purchasing the product or when the product has not been used for long hours) or when the charge is depleted from use.

1	Charging the device.	Charge time: Approx. 3.5 hours
① Connect the Micro Type-B USB connector of the dedicated USB cable to the USB port on the main unit.		
② Connect the Type-A USB connector of the dedicated USB cable to the following USB port.		
* When correctly connected, you will hear the sound "pip", and the LED indicator on the main unit will blink or glow.		



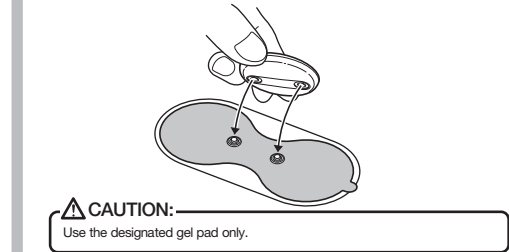
■ Connect to PC USB2.0, USB3.0 or USB3.1 port on PC that meets the IEC60950 standard	■ Connect to USB Charger USB charger (Optional Parts: HCM-AC2A01WH)

CAUTION:
• The use of a travel converter or any other power converter to charge the device may cause overheating or fire.
• The product cannot be operated while charging.
• Repeatedly charging the base unit gradually shortens the duration of operating time after a full charge. If the operation time becomes extremely short, the battery has expired but it is not replaceable.
③ When fully charged, you will hear the sound "peep".

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2 Install gel pads to the base unit.

- ※ The operation methods of 1 Point Pad are the same as those of Wide Pad.
- When using for the first time, take the gel pad from the bag. (Do not remove the protective film on the gel pad yet.)
 - Turn OFF the power of the main unit, and make sure the LED indicator is off.
 - Connect the main unit to the connector on the gel pad until a "click" is heard.



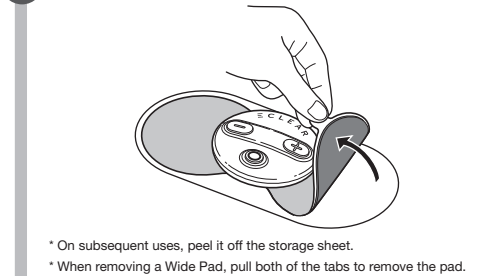
When replacing the gel pad

- Remove the main unit from the gel pad.
- Take out the gel pad from the bag. (Do not remove the protective film on the gel pad yet.)
- Turn OFF the power of the main unit, and make sure the LED indicator is off.
- Connect the main unit to the connector on the gel pad until a "click" is heard.

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Placement of the Gel Pad [2 Point Pad]

1 Pull the tab on the gel pad, and remove it from the protective film.



2 Apply the gel pad to a treatment area.

Apply the gel pad firmly to the skin.

* If the gel pad separates from the skin, or the main unit is removed from the gel pad, the device automatically powers off.

CAUTION: Do not attach the gel pad over any metallic items such as a necklace or a body piercing.

Handling of gel pads

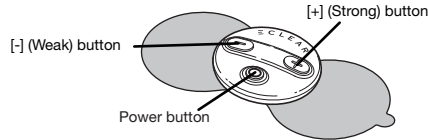
- Do not touch the adhesive surface of the gel pad. When the adhesiveness becomes weak, please see "How to Clean Gel Pad" (P. 20)
- Do not bend gel pads.

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Treatment

1 Turn on the device.

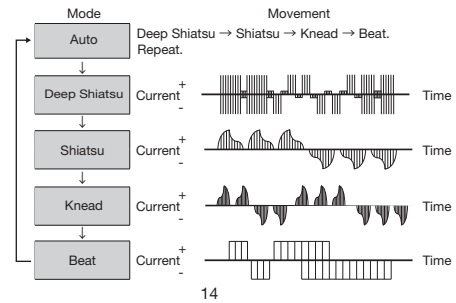
Press and hold the Power button for about two seconds. You will hear the sound "peep", the device will be powered on and begin treatment. The LED indicator lights up green.



2 Select a mode.

Press the Power button during treatment to select a mode.

- When turned on, the device always begins in Automatic mode.
 - When the Power button is pressed, you will hear the sound "pip", and the modes change in the sequence shown below:
- We recommend Deep Shiatsu mode (550 Hz) for areas where pain such as neuralgia is felt.



Storage

Please keep this product in an environment that meets the following conditions.

Storage temperature: -10°C to 60°C

Storage humidity: 20 - 85% RH

■ Caution when Maintaining and Storing

- Do not use any benzene or paint thinner to service the product.

- Do not store the product in locations described below.

- Locations that are exposed to direct sun light.
- In high temperature or high humidity areas, near water, or in dusty areas
- Locations with frequent vibration.
- Locations where chemicals are stored or where corrosive gases are generated.

- Place the product at a location that is out of reach of infants.

If not using for a long period of time, store the product fully charged, and try to keep at room temperature (10°C - 30°C).

- Charge the battery at least once every three months. If it is completely discharged, recharging might be impossible.

Loving Check		Check the low-frequency electric pulse massager that is used for a long time.	
	Is such problem exist?	● During charging or operation there are unusual sounds or vibrations ● Main unit becomes extremely hot ● The Main Unit shows changes in shape or gives off a burning smell	Stopping use To avoid accident, cut off the power supply of the product, or remove the dedicated USB cable. Ask the sales outlet to check.

3 Adjust the intensity level.

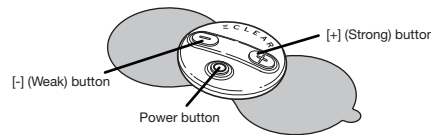
Select the desired strength from the 10 levels.

- When the device is turned on, or when modes are changed, the intensity is set at level 1.
- When [+] (Strong) button is pressed, you will hear the sound "pip", and the intensity increases by one level.
- When [-] (Weak) button is pressed, you will hear the sound "pip-pip", and the intensity decreases by one level.
- When [+] (Strong) button is pressed at level 10, or when [-] (Weak) button is pressed at level 1, you will hear the sound "pip-pip-pip", and the intensity level does not change.

4 Turn off the device.

After about 15 minutes of treatment, you will hear the sound "peep", and the device will automatically power off.

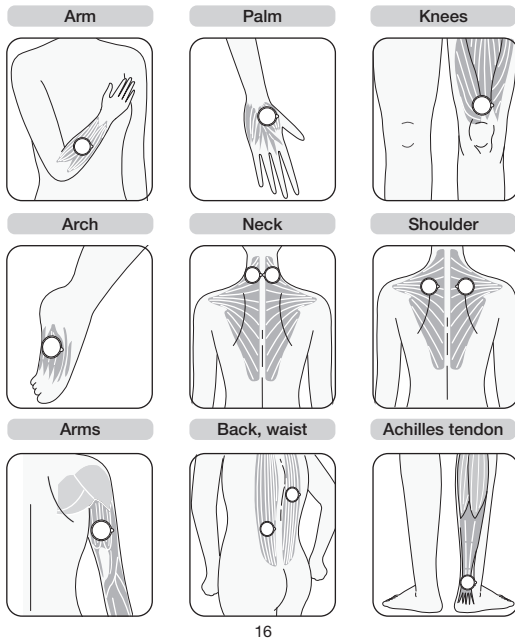
- To turn off the device during treatment, press and hold the power key, or [+] (Strong) button or [-] (Weak) button for about two seconds.
- If the gel pad separates from the skin, or the main unit is removed from the gel pad, the device automatically powers off.



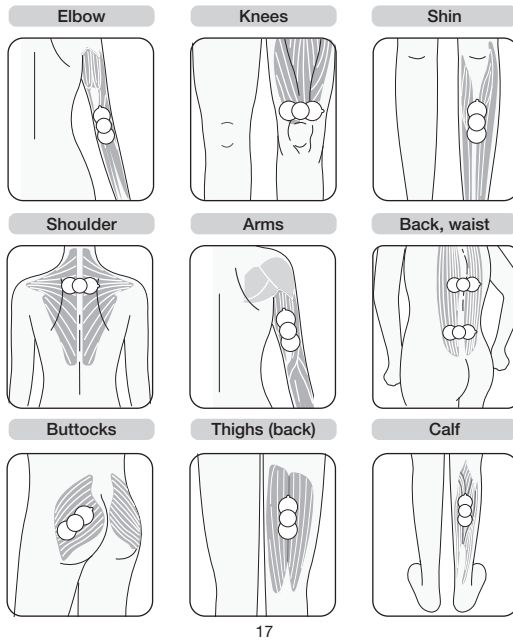
Examples for applying gel pads

[Paste on stiff muscles.]

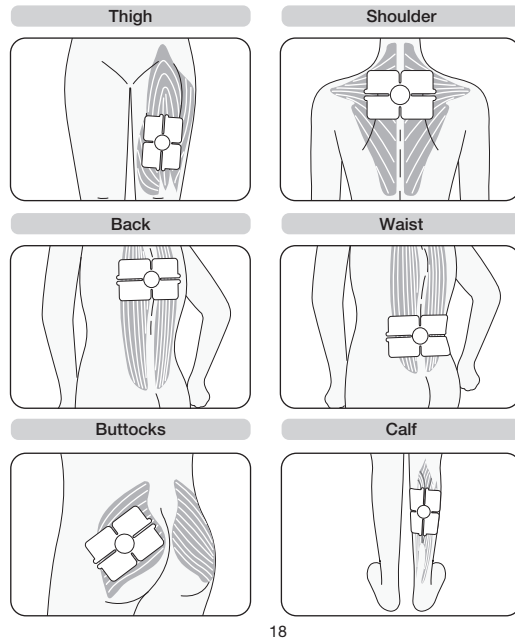
■ 1 Point Pad



■ 2 Point Pad



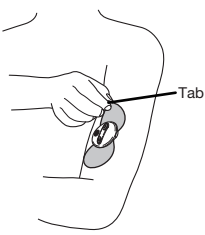
■ Wide Pad



After use [2 Point Pad]

■ Store the Device

- ① Remove the gel pad from the skin. Pull the tab to remove the gel pad; do not touch the adhesive surface of the gel pad.

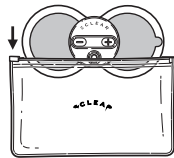


- ② Do not disconnect the gel pad from the main unit and attach it to the storage sheet.

- For the pair gel, place on two sides of the storage sheet.



- ③ Store it in the enclosed storage bag.



⚠ CAUTION:

Store the gel pad in a place free from direct sunlight, high humidity and high temperature.

Maintenance [2 Point Pad]

■ Clean A Gel Pad

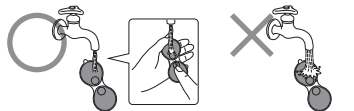
Please clean the gel pad in any of the following cases.

- Gel pad adhesion is weakened
- Treatment stimulation feels weaker
- An unpleasant sensation is felt during treatment
- Gel pads are contaminated
- The gel pad does not stick to the storage sheet

Replace the gel pad if you feel there is not enough/too much stimulus during use even after caring for the gel pad.

- ① Run a small amount of water on the surface and rub it gently with your fingertips for several seconds.

- Do not pour on too much water. It will cause loss of adhesive strength or damage to the adhesive surface.



- ② Pull the tab and drain the water of f, and let the pad dry naturally.

- If not dried thoroughly, adhesion decreases.
- Do not wipe the adhesive surface with a tissue or cloth.
- Avoid direct sunlight.



■ Care of the Main Unit

- Wipe dirt off the main unit with soft cloth.

⚠ CAUTION:

Be sure to prevent any water from entering into the base unit interiors, as well as the USB connector insertion receptacle.

Troubleshooting

Problem	Cause	Solution
Power does not turn on	Battery is not charged fully or there is no power left in battery	Turn off and charge the device. ●P11
	The battery is being charged	Once the battery has been charged, remove the special USB cable before using the product. ●P11
	Attach the gel pad firmly to the skin.	Turn off the power then attach the gel pad to your skin correctly. ●P13
Power turns off soon after it is turned on Power turns off while product is in use	Battery is not charged fully or there is no power left in battery	Turn off and charge the device. ●P11
	Main unit and gel pad are not connected correctly to each other	Turn off the device, and reconnect the main unit and the gel pad. ●P12・P13
	A gel pad is not properly sealed onto the skin	Turn off the power then attach the gel pad to your skin correctly. ●P13
The device cannot be charged	Battery completely discharged after storing product for a long period	The product can no longer be used. Charge the product at least once in about three months to prevent a complete discharge. ●P21
Gel pad does not stay on the skin	Do not remove the protective film from the adhesive surface of the gel pad.	Remove the protective film from the adhesive surface of the gel pad. ●P13
	Adhesive surface of the gel pad is dirty	Run a small amount of water on the surface and rub it with your fingertips for several seconds. ●P20
	Using immediately after rinsing with water	Shake off the excess water and air dry the adhesive surface. ●P20
	An unpleasant sensation is felt during treatment	Gel pads are consumables. When the adhesive surface has deteriorated, stop using and purchase optional pads. ●P9
The adhesive surface of the gel pad detaches or shifts	Excess amount of sweat or water on adhesive surface of gel pad	Gel pads are consumables. When the adhesive surface has deteriorated, stop using and purchase optional pads. ●P9
No / weak stimulus felt	The gel pad is not in close contact with the skin	Attach the gel pad to your skin firmly. ●P13
	Gel pads are overlapped when they are applied	Attach it being careful not to overlap with another gel pad. ●P13
	Adhesive surface of the gel pad is dirty	Run a small amount of water on the surface and rub it with your fingertips for several seconds. ●P20
	The gel pad is not properly connected	Connect it correctly by pushing in until it clicks. ●P12
	The strength adjustment is at a weak setting	Adjust to stronger intensity. ●P15
	Insufficient charging or depleted battery	Charge the battery. ●P11
Skin flares/ The skin becomes irritated	The adhesive surface of the gel pad is dirty or damaged	The gel pad is a consumable. When the adhesive surface has deteriorated, stop using and purchase optional pads. ●P9
	Treatment time is too long	Use the device up to 15 minutes on one treatment area, and remove the gel pad from the skin after treatment. ●P15
	The gel pad is not in close contact with the skin	Attach the gel pad to your skin firmly. ●P13
	Adhesive surface of the gel pad is dirty or dry	Run a small amount of water on the surface and rub it with your fingertips for several seconds. ●P20
	An unpleasant sensation is felt during treatment	The gel pad is a consumable. When the adhesive surface has deteriorated, stop using and purchase optional pads. ●P9

Product Specifications

Brand name	Low-Frequency Electronic Pulse Massager P01
Classification	Equipment 78 Electric therapy apparatus for household use
General name	Low-Frequency Electronic Pulse Massager for Home Use (Code: 70986000)
Type of medical equipment	Controlled medical equipment
Medical equipment certification number	228ADBZX00037000
Power source voltage	DC5.0V
Built-in battery	Lithium-ion battery (40 mAh *1 *2)
Number of charge cycles	Approx. 500 times *1
Charge time	Approx. 3.5 hours *3
Operating time	Approx. 150 minutes (when fully charged) *4
Maximum output current	10 mA or less
Rated output voltage	Approx. 32V
Fundamental frequency	Approx. 2 - 550Hz
Output pulse width	Approx. 200 μ s
Power consumption	Approx. 0.2 W
Timer	Approx. 15 minutes
Main unit dimensions	Approx. φ44 mm × D 11 mm
Cable length	20 cm
Main unit weight	Approx. 13 g
Operating temperature and humidity ranges	0°C to 40°C; 20 to 85% RH
Storing environment temperature and humidity	0°C to 40°C; 20 to 85% RH
Marketing authorization holder	Elecom Healthcare Co., Ltd.
Manufacturer	LA Tower 8F, 4-1-1 Fushimicho, Chuo-ku, Osaka City, Osaka Prefecture
Country of origin	Zhangzhou Easepal Industrial Corporation
	China

*1 According to JIS C 8711

*2 With protection function for over-charging, over-discharging and over-voltage

*3 Standard when charging fully discharged battery to full power

*4 Depends on operation and environment

A customer who purchases outside Japan should contact the local retailer in the country of purchase for enquiries. In "ELECOM CO., LTD. (Japan)" , no customer support is available for enquiries about purchases or usage in/from any countries other than Japan. Also, no foreign language other than Japanese is available. Replacements will be made under stipulation of the Elecom warranty, but are not available from outside of Japan.

ECLEAR Refree HCM-P01 Series User Manual 1st edition, March, 2018 ELECOM CO.,LTD.

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