



Orthopedics

(Based on our track record of installation)

■ Specifications

Intended Use, Effect, or Efficacy

This product is intended for use in percutaneous neuromuscular stimulation to reduce pain and improve amyotrophy.

Main unit dimensions, weight, and accessories:

Dimensions: 365 (width)×222 (depth)×103 (height) [mm]

Mass: approximately 2.2 [kg] (main unit)

Belt electrode (small×2, medium×2, large×1)

Lead cable for belt electrode (×2)

Extension cable (×5)

Belt electrode sheet (small×20, medium×20, large×10)

Pad electrode (Negative side×2, Positive side×1)

Band for securing pad electrode (small×2, large×1)

Power cord (×1)

Option: Specialized cart for G-TES

Electrical ratings

Rated power supply voltage: 100-240 [V]

Rated frequency: 50-60 [Hz]

Power supply input: 2.0-1.5 [A]

Classification of the method of protection against electric shock: Class I Equipment

Classification of the applied part according to the degree of protection against electric shock :

BF type applied part

Maximum output voltage: 138 [V]±10% (when a 500Ω load is connected)

Maximum output current: 48 [mA]±10% (when a 500Ω load is connected)

Output wave: Exponential incremental wave

Pulse width: 56-260 μsec±10%

Timer: Maximum 50 min±5%

Pad electrode temperature: Maximum 41°C *Electrodes with the coolness mitigation function

GMDN code: 46573

※ Specifications are subject to change without prior notice for product improvement.

⚠ Danger



Do not use on these patients.

- Patients with medical electrical equipment implanted in the body such as pacemakers.
- Other patients deemed ineligible by a doctor.

HOMER ION Laboratory Co., Ltd.

17-2 Shinsen-cho Shibuya-ku Tokyo

150-0045 Japan

<https://homerion-global.com/>

Tel : +81-3-5728-2024

Mail: international@homerion.co.jp



Eliminate "I can't exercise"



ISO 13485 - The design, development, manufacture, and servicing (repair) of low-frequency electric electrodes, low-frequency therapy apparatus for home use, low-frequency electric therapy apparatus, and electrode for low-frequency therapy apparatus for home use and gait physiologic analyzers.

G-TES®

Low - Frequency Therapy Equipment

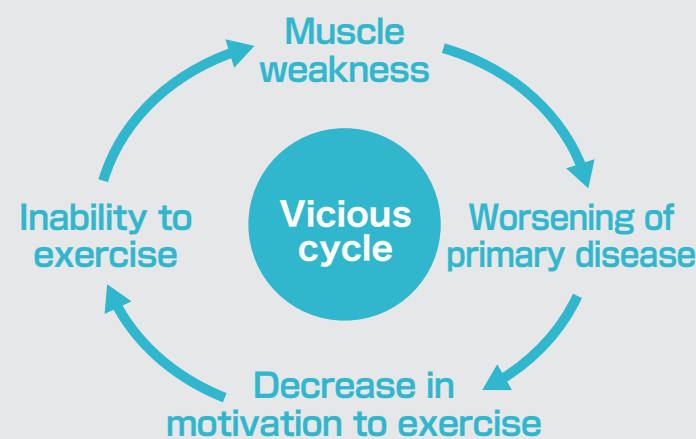


Exercise for Those Who Cannot Exercise

Make rehabilitation possible for those who couldn't before

- Aging ●Unfamiliarity with exercise ●Pain ●Orthopedic disease
- Respiratory disease ●Cardiovascular disease ●ICU

(Examples of patients with possible muscle atrophy)



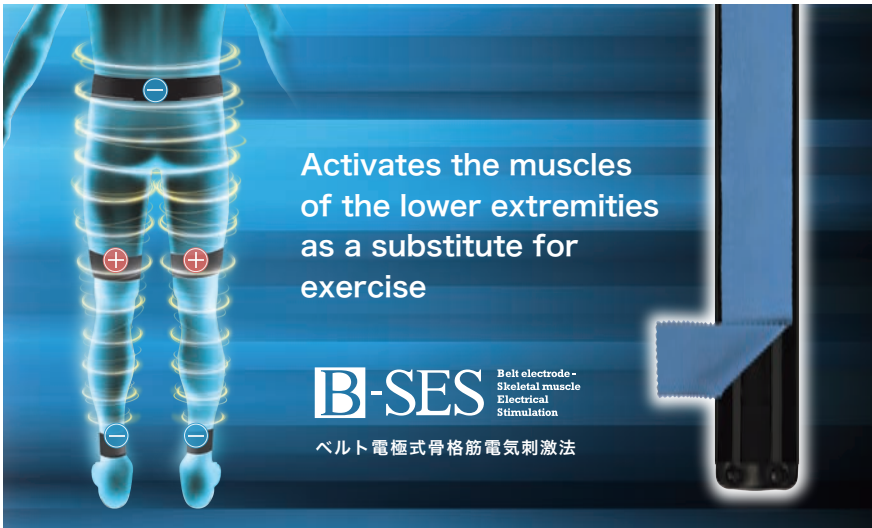
Lack of exercise due to aging, unfamiliarity with exercise, orthopedic disease, and diseases, such as respiratory /cardiovascular disorders, may cause muscle atrophy from disuse. Exercise-deficient people cannot exercise, which can lead to decreasing muscle strength, worsening of the primary disease to cause pain, and distress in exercise, as well as a decrease in the motivation to exercise. This further reduces the exercise quantity to repeat the vicious cycle.

"Cannot exercise" and "Do not exercise" individuals are at higher risk of bedridden or requiring care, so it is necessary to exercise.



B-SES activates a wide range of muscles, serving as strength training or aerobic exercise depending on the intended purpose, and provides a substitute for exercise.

B-SES uses a belt electrode that covers the entire inside of the belt, which is wrapped around the waist, knee, and ankle to deliver electricity cylindrically, providing muscle contractions throughout the lower extremities, including the thigh, calf, gluteal muscles, and pelvic area. By activating all the muscles concentrated in the lower extremities and conducting a broad muscle contraction, it serves as a substitute for voluntary movement.



Performs strength training and aerobic exercise by purpose

MUSCLE(Strength training mode)

Perform strong muscle contractions at 20Hz for substitution of strength training.

METABO(Aerobic exercise mode)

Perform repeated single contractions at 4Hz for substitution of Aerobic exercise.

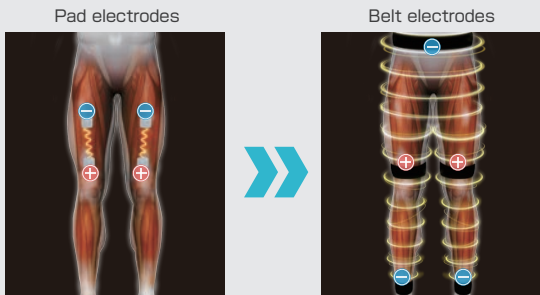


YouTube

Advantages of B-SES Belt Electrodes

Advantage 1

Wide Range of Approach



The belt electrodes deliver electricity cylindrically, allowing the stimulation of all muscles in the lower extremities.

Advantage 2

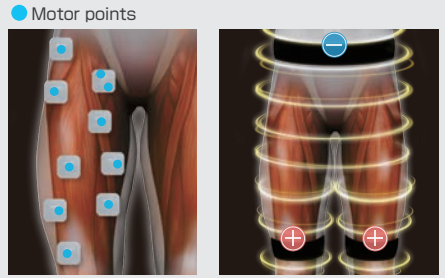
Comfortable at high output



Large contact area Since the electrode area is large and the skin's contact area is increased, the potential density is dispersed, making the electrode less painful and allowing high-intensity muscle contractions.

Advantage 3

Easy to Put on



Simply wrap the belt to easily install. Since the electrode is large, anyone can perform the same treatment regardless of the motor point, and there is high treatment reproducibility.

| | Pad | Belt |
|---------------------------|-----|------|
| Searching motor point | × | ○ |
| Number of electrodes | × | ○ |
| Treatment reproducibility | × | ○ |

Using pad electrodes Using belt electrodes Comparison for exercise substitution purposes
Motor points : Points with dense neuromuscular junctions to which current is applied to move the muscle