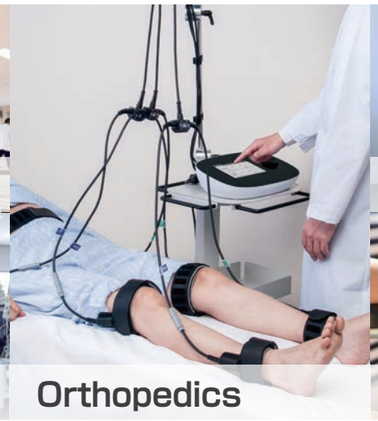
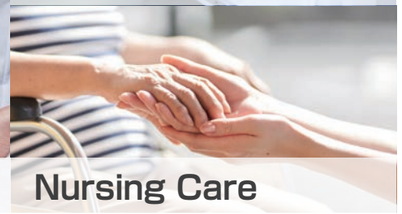

Rehabilitation


Orthopedics


ICU


Dialysis


Nursing Care

(Based on our track record of introduction)

G-TES®

General Therapeutic Electrical Stimulator

■G-TES and Specialized cart for G-TES


Belt electrode - small


Belt electrode - large


Belt electrode waist S


Belt electrode waist L


Belt electrode sheet - small


Belt electrode sheet - large

■Specifications

Main unit dimensions, weight, and accessories:
365 (width) × 222 (depth) × 103 (height) mm
Approx. 2.5kg (main unit)
Belt electrode waist L (×1) , Belt electrode waist S (×1) , Belt electrode - large (×2) ,
Belt electrode - small (×2)
Connection cord for belt electrode waist (black) (×1)
Connection cord for belt electrode upper-knee (orange) (×1)
Connection cord for belt electrode ankle (white) (×1)
Belt electrode sheet - large (×12) , Belt electrode sheet - small (×12)
Pad electrode plus side - large (×1) , Pad electrode minus side -small (black) (×1)
Pad electrode minus side -small (white) (×1)
Band for fixing pad electrode - large (×1) , Band for fixing pad electrode - small (×2)
Power cord (×1)
Option: Specialized cart for G-TES
Electrical specifications
Rated supply voltage: 100 to 240 [V] 〈50 to 60Hz〉
Power input: 2.0 to 1.5 [A]
Type of protection against electric shock: Class I
Classification of applied parts by level of protection against electric shock: BF type attachment
Max. output voltage: 138 [V]
Max. output current: 48 [mA]
Output waveform: Exponential climbing pulse
Pulse width: 56 - 260 μs
Timer: Max. 50 min
Electrode temperature: Max. 41℃ 〈contact cold sensation reducing function〉

※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

HOMER ION Laboratory Co., Ltd.
17-2 Shinsen-cho Shibuya-ku Tokyo
150-0045 Japan
https://www.homerion.co.jp/
Tel : +81-3-5728-2024
Mail : international@homerion.co.jp

運動できないをなくす

Eliminate “I can’t exercise”

*ISO 13485…家庭用低周波治療器、低周波治療器、家庭用低周波治療器向け導子の設計・開発、製造及び付帯サービス（修理）

1221-2306

HOMER ION

Exercise for Those Who Cannot Exercise

Enable rehabilitation that you could not do 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, progress of the primary disease to cause pain, and distress in exercise, as well as a decrease in the will to exercise. This further reduces the exercise quantity to repeat the negative cycle.

Exercise is more often required in such people who cannot exercise/do not exercise because of the risks of being bedridden or requiring nursing care without exercise.

Capable of moving the muscles in a wide range at once for strength training and aerobic exercise as a substitute for voluntary movement

B-SES contracts the muscles of the entire lower extremities, such as the thighs, lower legs, gluteus, and muscles around the pelvis, by wrapping the belt electrode, the inner surface of which entirely functions as electrode, around the hips, knees, and ankles and apply current in a tubular form.
It moves all the muscles of the lower extremities where human muscles are concentrated and contracts the muscles in a wide range to substitute for voluntary movement.

Performs strength training and aerobic exercise by purpose

Disuse (strength training)

Causing muscle tetanus at 20 Hz to cause strong muscle contraction and perform exercise for strength training in voluntary movement

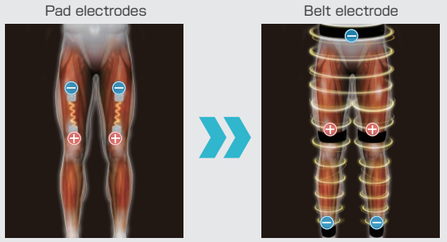
Metabolism (aerobic exercise)

Repeatedly twitching at 4 Hz for aerobic exercise in voluntary movement

YouTube

Features of B-SES Belt Electrodes

Advantage1 Wide Range of Approach



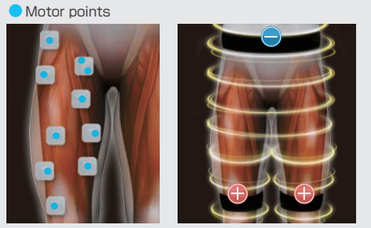
Belt electrodes move the muscles of the lower extremities as a substitute for voluntary movement

Advantage2 No pain

Large contact area

The larger electrode areas and skin contact areas scatter potential density to cause no pain from the electrodes.
Strong muscle contraction can also be performed without pain.

Advantage3 Easy to Put on



Using pad electrodes　Using belt electrodes

Motor points : Points with dense neuromuscular junctions to which current is applied to move the muscle

Easily put on just by wrapping the belt

The large electrodes enable anyone to perform the same therapy regardless of motor points with high treatment reproducibility.

User-friendliness	Pad	Belt
Searching motor point	×	○
Number of electrodes	× (many)	○ (few)
Treatment reproducibility	×	○