

# ES-5400/ES-5200

Multi-Channel Electrotherapy Unit

## Main Unit Specifications

### ES-5400

Power supply: AC100–240 V, 50/60 Hz

Power consumption: 150 VA

Safety class according to IEC 60601-1: Class I, Type BF

Number of channel: 4 independent

Display size: 85.9 (H) × 154 (W) mm

Dimensions: 345 (W) × 270 (D) × 145 (H) mm

Weight: Approx. 2.5 kg

### ES-5200

Power supply: AC100–240 V, 50/60 Hz

Power consumption: 100 VA

Safety class according to IEC 60601-1: Class I, Type BF

Number of channel: 2 independent

Display size: 85.9 (H) × 154 (W) mm

Dimensions: 345 (W) × 270 (D) × 145 (H) mm

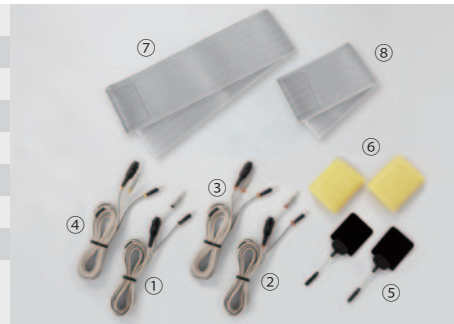
Weight: Approx. 2.3 kg

## Ordering Data

### Standard Kit

\*Standard kit includes main unit.

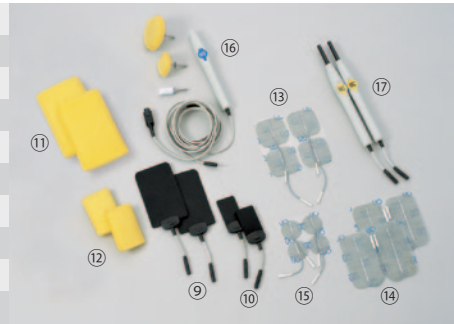
	ES-5400	ES-5200
① B180534 Electrode Cable (Brown)	1×	1×
② B180535 Electrode Cable (Red)	1×	1×
③ B180536 Electrode Cable (Orange)	1×	—
④ B180537 Electrode Cable (Yellow)	1×	—
⑤ 011151 Rubber Electrode (M), 60×50mm, 2pcs/pack	4×	2×
⑥ 011148 Electrode Sponge A (M), 80×65mm, 2pcs/pack	4×	2×
⑦ 011655 Strap (L), 80×1200mm	4×	2×
⑧ 011654 Strap (S), 80×600mm	4×	2×
— B180562 Power Supply Cord (220–240 V, Type F) or	1×	1×
— B180559 Power Supply Cord (110–120 V, Type A)		



### Optional Accessories

\*Available to both ES-5400 and ES-5200

⑨ 011152 Rubber Electrode (L), 100×60mm, 2pcs/pack
⑩ 011150 Rubber Electrode (S), 50×30mm, 2pcs/pack
⑪ 011149 Electrode Sponge A (L), 120×80mm, 2pcs/pack
⑫ 011147 Electrode Sponge A (S), 70×45mm, 2pcs/pack
⑬ B010306 Self-adhesive Electrode, 49×49mm, 4pcs/pack
⑭ B010747 Self-adhesive Electrode, 89×51mm, 4pcs/pack
⑮ B010886 Self-adhesive Electrode, ø32, 4pcs/pack
⑯ 011356 HV/DC Probe
⑰ 011172 MCR (Microcurrent) Probe, 2pcs/pack
— Vacuum Unit (Please see below for the details.)



### Vacuum Unit Standard Kit

for ES-5400

for ES-5200

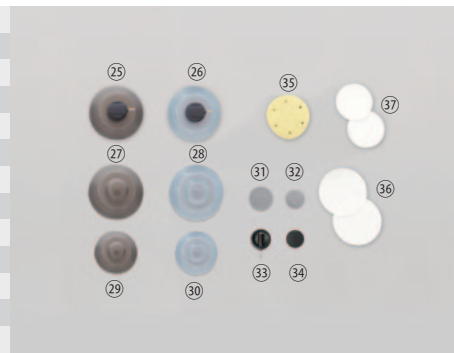
⑱ — Vacuum Unit SU-540	1×	N/A
⑲ — Vacuum Unit SU-520 <BK>	N/A	1×
⑳ 011771 Electrode Hose (Blue)	2×	1×
㉑ 011772 Electrode Hose (Gray)	2×	1×
㉒ 012399 Vacuum Electrode B (S), ø80 (Gray)	4×	2×
㉓ 012400 Vacuum Electrode B (S), ø80 (Blue)	4×	2×
㉔ 011276 Electrode Sponge B (S), ø70, 4pcs/pack	4×	2×
— B180562 Power Supply Cord (220–240 V, Type F) or	1×	1×
— B180559 Power Supply Cord (110–120 V, Type A)		



### Vacuum Unit Optional Accessories

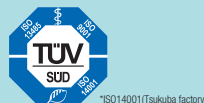
\*Available to both SU-540 and SU-520 <BK>

㉕ 012401 Vacuum Electrode B (L), ø100 (Gray)
㉖ 012402 Vacuum Electrode B (L), ø100 (Blue)
㉗ 120974 Suction Cup (L), ø100 (Gray) (cup only)
㉘ 120975 Suction Cup (L), ø100 (Blue) (cup only)
㉙ 120976 Suction Cup (S), ø80 (Gray) (cup only)
㉚ 120977 Suction Cup (S), ø80 (Blue) (cup only)
㉛ 151157 Suction Steel Plate (L), ø55
㉜ 151083 Suction Steel Plate (S), ø45
㉝ 012403 Suction Head
㉞ 012404 Suction Head Cup
㉟ 011277 Electrode Sponge B (L), ø90, 4pcs/pack
㊱ 220278 Paper Disk (L), ø90, 100pcs/pack
㊲ 220279 Paper Disk (S), ø70, 100pcs/pack



**ITO** co., LTD.

3-3-3 Toyotama-Minami, Nerima-ku, Tokyo 176-0014, Japan  
TEL: 81-3-3994-4619 FAX: 81-3-3994-1465  
URL: <http://www.itocoltd.com/> E-Mail: [itocoltd@itolator.co.jp](mailto:itocoltd@itolator.co.jp)



\* Images and specifications will be changed without notice.

No.253 C0c000708-1706 A1707DATA

Multi-Channel Electrotherapy Unit

# ES-5400

# ES-5200



**ITO** PHYSIOTHERAPY  
& REHABILITATION



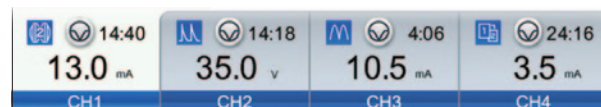
# ES-5400/ES-5200

Multi-Channel Electrotherapy Unit

## 4 INDEPENDENT ELECTROTHERAPY CHANNELS (ES-5400)

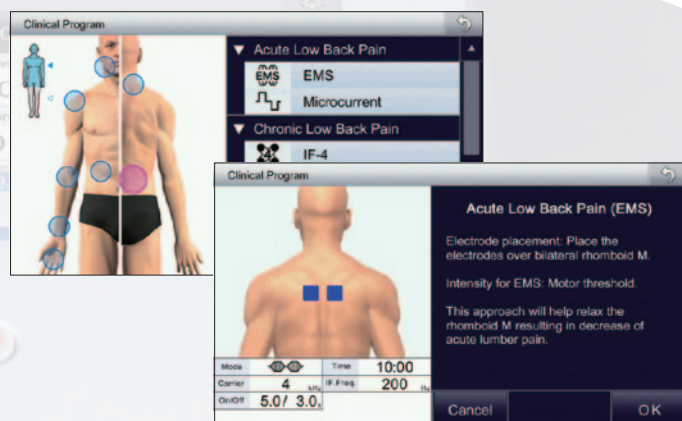
ES-5400 is electrotherapy unit with four independent channels. With four channels, multiple patients can be simultaneously treated at the same time, which can contribute to saving your time.

Independent channels mean that you can apply different current modes for each channel. It is possible to stimulate local tissues with different currents at the same time. This can provide very efficient result.



## 28 EFFECTIVE CLINICAL PROGRAMS FOR OVER 20 TYPES OF PATHOLOGIES

You can simply choose the area to be treated from Human Body Diagram. 28 therapy parameters are pre-programmed for over 20 types of typical pathologies. By using these parameters, you can quickly accumulate know-how of treatment for various pathologies. All the pre-programmed parameters can be modified to suit your particular needs.



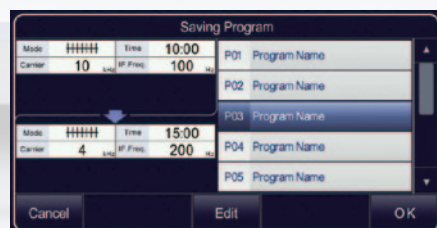
## CONSTANT CURRENT / CONSTANT VOLTAGE MODES

Depending on current modes, you can select constant current mode (CC) or constant voltage mode (CV). CV mode automatically adjusts the amount of current transferred to skin when the device detects the change of resistance to the skin. This mode enhances safety.



## 120 FREE PROGRAM MEMORIES

You can save 120 treatment parameters and quickly load & modify them as you like. This function facilitates treating numerous patients.



## EXCLUSIVE VACUUM UNITS AVAILABLE (OPTIONAL)

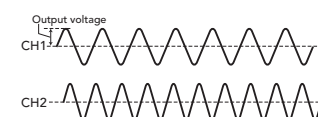
SU-540 and SU-520 <BK> are exclusively made for and combined to ES-5400 and ES-5200. Our units adopt blow-out system which does not pull dusts nor contain humidity inside vacuum electrode. Therefore, our units minimize your work effort in maintenance.



## VARIOUS CURRENT MODES AND A USER-FRIENDLY TREATMENT MODE

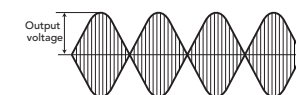
### 4-Pole Interferential mode

Interferential current using medium frequency works broadly in deep area.



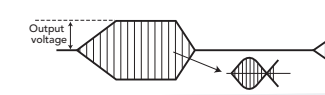
### 2-Pole Interferential mode

Interferential current using medium frequency works deeply in local body parts.



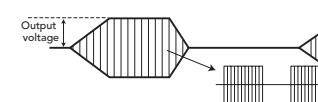
### EMS mode

This mode contributes to increasing muscle strength by generating muscle contraction.



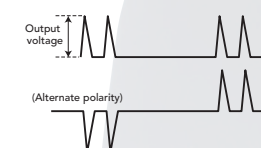
### Russian mode

This mode is suitable for local muscle stimulation.



### Hi-Voltage mode

Hi-voltage stimulation can work in deep tissues without feeling much electricity.



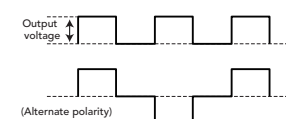
### TENS mode

This mode relieves pain by stimulating sensory nerves.



### Microcurrent mode

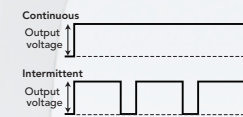
Microcurrent contributes to accelerating tissue repair and promoting recovery from injury.



### DC mode

Direct current relieves pain and promotes recovery from injury.

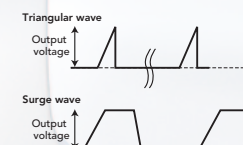
### Galvanic mode



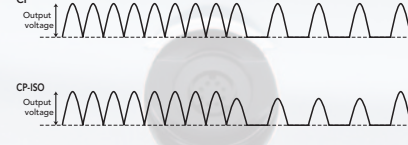
### Diadynamic mode



### Faradic mode

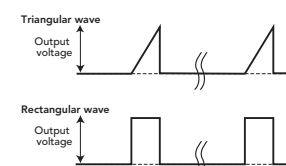


### Traebert mode



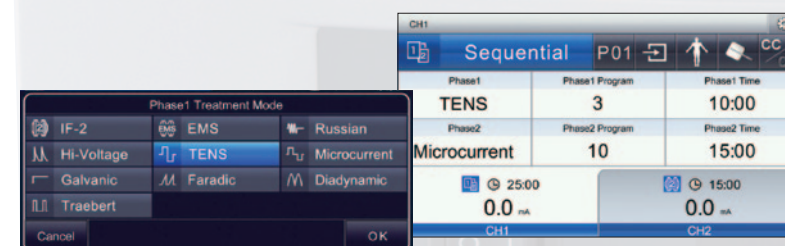
### I/T Curve Measurement mode AQ mode

This mode measures recovery level of peripheral nerves.



### Sequential mode

This user-friendly treatment mode allows you to apply two designated therapeutic courses continuously without having to modify unit parameters.



## Electrotherapy Specifications

**Current mode:** IF-4, IF-2, EMS, Russian, Hi-Voltage, TENS, MCR, Galvanic, Faradic, Diadynamic, Traebert, I/T Curve, AQ  
**IF carrier frequency:** 2, 4, 5, 8, 10 kHz  
**Frequency:** IF 1–250 Hz, EMS 20–250 Hz, HV 0.5–200 Hz, TENS 0.5–250 Hz, MCR 0.2–400 Hz, Galvanic 0.95–15.8 Hz, Faradic 20–250 Hz, Diadynamic 50–100 Hz, Traebert 142 Hz

**Current amplitude (peak):** IF, EMS, TENS, Russian 100 mA / HV 600 mA / MCR 750  $\mu$ A / Galvanic 20 mA / Faradic, Diadynamic, Traebert, I/T Curve, AQ 70mA  
**Vector sweep:** 0°, 15°, 30° or 45°  
**Program memory:** 28 presets, 120 free program memories  
**Timer:** Max. 60 min.