

# EU-941/EU-921

Multi-Channel Electrotherapy / Ultrasound Combo



## A STRIKING PIANO BLACK FINISH

Attractive glossy piano black color scheme challenges conventional notions of how therapy systems should look.

## VISUAL PROBE CONTACT STATUS

Clear light indications on both ultrasound probe and main unit to visually check whether the ultrasound energy is safely and effectively conducted into human body.



## 7-INCH TFT COLOR TOUCH SCREEN

The large color touch screen dramatically improves visibility and functionality. The screen is 20% larger than the screen used in previous models.

## EXCLUSIVE VACUUM UNITS AVAILABLE (OPTIONAL)

SU-540 and SU-520 <BK> are exclusively made for and combined to EU-941 and EU-921. Our units adopt blow-out system which do not pull dusts nor contain humidity inside vacuum electrode. Therefore, our units minimize your work effort in maintenance.



## Main Unit Specifications

### EU-941

Power supply: AC100-240 V, 50/60 Hz  
Power consumption: 190 VA  
Safety class according to IEC 60601-1: Class I, Type BF  
Number of channel: 5 independent (4 for electrotherapy, 1 for ultrasound)  
Display size: 85.9 (H) × 154 (W) mm  
Dimensions: 350 (W) × 270 (D) × 145 (H) mm  
Weight: Approx. 4.0 kg

### EU-921

Power supply: AC100-240 V, 50/60 Hz  
Power consumption: 140 VA  
Safety class according to IEC 60601-1: Class I, Type BF  
Number of channel: 3 independent (2 for electrotherapy, 1 for ultrasound)  
Display size: 85.9 (H) × 154 (W) mm  
Dimensions: 350 (W) × 270 (D) × 145 (H) mm  
Weight: Approx. 3.5 kg

## Ordering Data

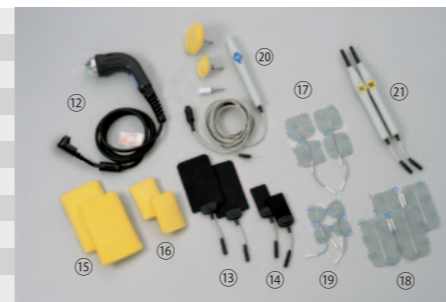
### Standard Kit \*Standard kit includes main unit.

	EU-941	EU-921	
① 012418	Ultrasound Probe (L)	1x	1x
② B180534	Electrode Cable (Brown)	1x	1x
③ B180535	Electrode Cable (Red)	1x	—
④ B180536	Electrode Cable (Orange)	1x	—
⑤ B180537	Electrode Cable (Yellow)	1x	1x
⑥ 011151	Rubber Electrode (M), 60×50mm, 2pcs/pack	4x	2x
⑦ 011148	Electrode Sponge A (M), 80×65mm, 2pcs/pack	4x	2x
⑧ 011655	Strap (L), 80×1200mm	4x	2x
⑨ 011654	Strap (S), 80×600mm	4x	2x
⑩ 012298	Probe Holder	1x	1x
⑪ B120612	Ultrasound Gel (250ml)	1x	1x
— B180562	Power Supply Cord (220-240 V, Type F) or	1x	1x
— B180559	Power Supply Cord (110-120 V, Type A)	1x	1x



### Optional Accessories \*Available to both EU-941 and EU-921

⑫ 012416	Ultrasound Probe (S)	1x	1x
⑬ 011152	Rubber Electrode (L), 100×60mm, 2pcs/pack	2x	2x
⑭ 011150	Rubber Electrode (S), 50×30mm, 2pcs/pack	2x	2x
⑮ 011149	Electrode Sponge A (L), 120×80mm, 2pcs/pack	2x	2x
⑯ 011147	Electrode Sponge A (S), 70×45mm, 2pcs/pack	2x	2x
⑰ B010306	Self-adhesive Electrode, 49×49mm, 4pcs/pack	4x	4x
⑱ B010747	Self-adhesive Electrode, 89×51mm, 4pcs/pack	4x	4x
⑲ B010886	Self-adhesive Electrode, ø32, 4pcs/pack	4x	4x
⑳ 011356	HV/DC Probe	1x	1x
㉑ 011172	MCR (Microcurrent) Probe, 2pcs/pack	2x	2x
—	Vacuum Unit (Please see below for the details.)	—	—



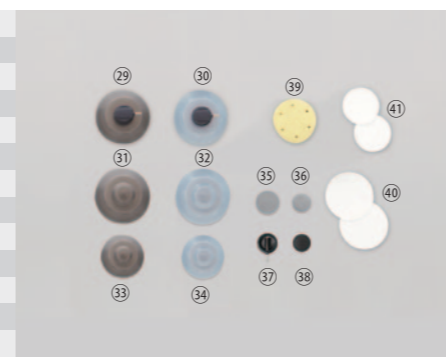
### Vacuum Unit Standard Kit

	for EU-941	for EU-921	
㉒ —	Vacuum Unit SU-540	1x	N/A
㉓ —	Vacuum Unit SU-520 <BK>	N/A	1x
㉔ 011771	Electrode Hose (Blue)	2x	1x
㉕ 011772	Electrode Hose (Gray)	2x	1x
㉖ 012399	Vacuum Electrode B (S), ø80 (Gray)	4x	2x
㉗ 012400	Vacuum Electrode B (S), ø80 (Blue)	4x	2x
㉘ 011276	Electrode Sponge B (S), ø70, 4pcs/pack	4x	2x
— B180562	Power Supply Cord (220-240 V, Type F) or	1x	1x
— B180559	Power Supply Cord (110-120 V, Type A)	1x	1x

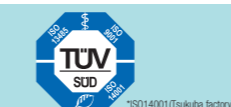


### Vacuum Unit Optional Accessories \*Available to both SU-540 and SU-520 <BK>

㉙ 012401	Vacuum Electrode B (L), ø100 (Gray)	1x	1x
㉚ 012402	Vacuum Electrode B (L), ø100 (Blue)	1x	1x
㉛ 120974	Suction Cup (L), ø100 (Gray) (cup only)	1x	1x
㉜ 120975	Suction Cup (L), ø100 (Blue) (cup only)	1x	1x
㉝ 120976	Suction Cup (S), ø80 (Gray) (cup only)	1x	1x
㉞ 120977	Suction Cup (S), ø80 (Blue) (cup only)	1x	1x
㉟ 151157	Suction Steel Plate (L), ø55	1x	1x
㊱ 151083	Suction Steel Plate (S), ø45	1x	1x
㊲ 012403	Suction Head	1x	1x
㊳ 012404	Suction Head Cup	1x	1x
㊴ 011277	Electrode Sponge B (L), ø90, 4pcs/pack	4x	4x
㊵ 220278	Paper Disk (L), ø90, 100pcs/pack	100x	100x
㊶ 220279	Paper Disk (S), ø70, 100pcs/pack	100x	100x



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\* Images and specifications will be changed without notice.

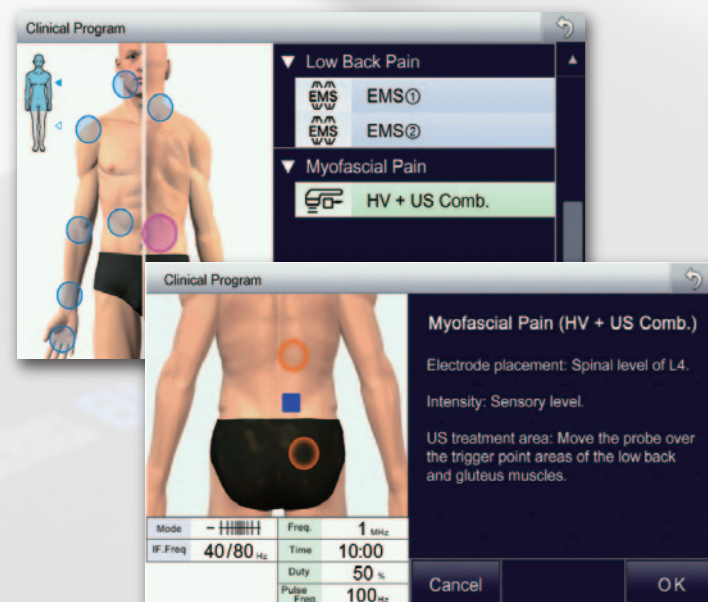
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Multi-Channel Electrotherapy / Ultrasound Combo

# EU-941 EU-921



**ITO** PHYSIOTHERAPY & REHABILITATION

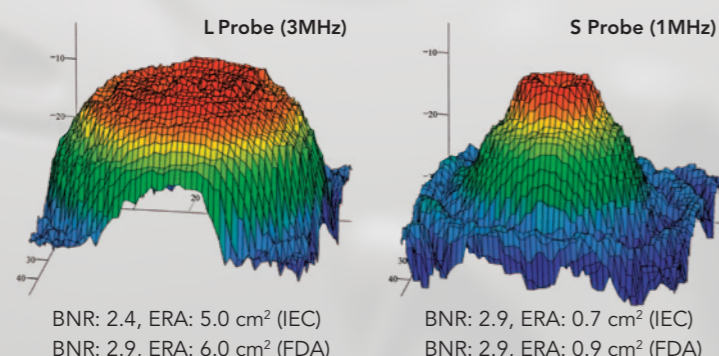


## 47 EFFECTIVE CLINICAL PROGRAMS FOR OVER 30 TYPES OF PATHOLOGIES

You can simply choose the area to be treated from Human Body Diagram. 47 therapy parameters are pre-programmed for over 30 types of typical pathologies. All the pre-programmed parameters can be modified to suit your particular needs.

## LOW BNR (Beam Non-uniformity Ratio)

BNR is one of the indications for quality of the ultrasound beam. The BNR of EU-941 and EU-921 is 2.4 to 4.6 (IEC standards), a significantly low ratio. Low beam non-uniformity ratio prevents hot spots and tissue damages.



## MULTI-FREQUENCY TREATMENT PROBES

Each probe is compatible with 1 MHz and 3 MHz. Treatment for various body parts is available by using L probe for broad body parts such as shoulder and waist, and S probe (optional accessory) for narrow ones such as fingers and toes.

## 210 FREE PROGRAM MEMORIES

You can save 210 treatment parameters and quickly load & modify them as you like. This function facilitates treating numerous patients.



## ELECTROTHERAPY

### PROVIDED WITH THE MOST COMMON CURRENTS

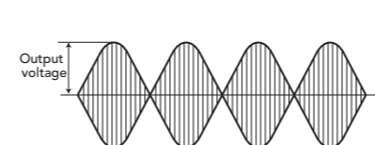
#### 4-Pole Interferential mode

Interferential current using medium frequency works broadly in deep area.



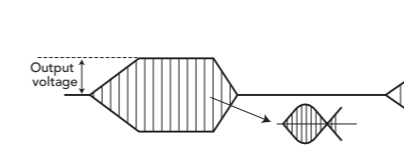
#### 2-Pole Interferential mode

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



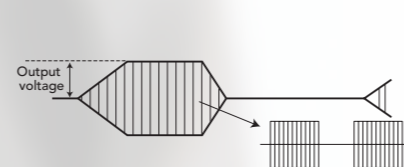
#### EMS mode

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



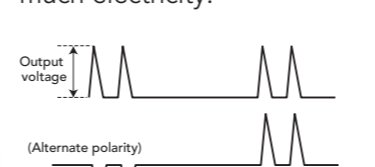
#### Russian mode

This mode is suitable for local muscle stimulation.



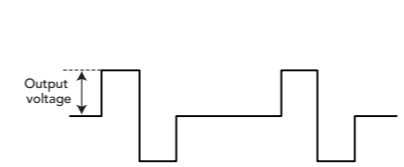
#### Hi-Voltage mode

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



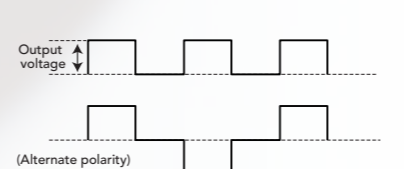
#### TENS mode

This mode relieves pain by stimulating sensory nerve.



#### Microcurrent mode

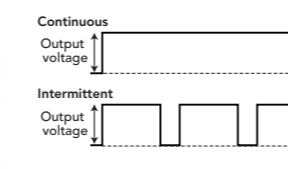
Microcurrent contributes to accelerating tissue repair and promoting recovery from injury.



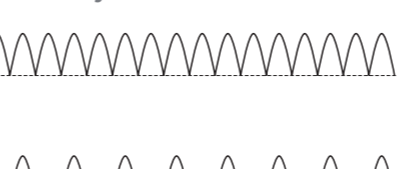
#### DC mode

Direct current relieves pain and promotes recovery from injury.

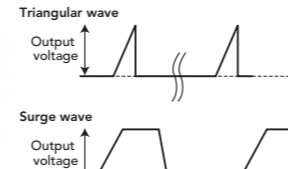
#### Galvanic mode



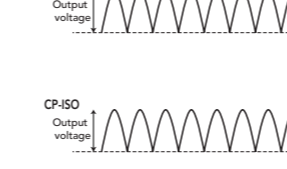
#### Diadynamic mode



#### Faradic mode

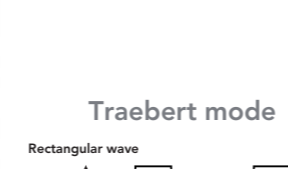
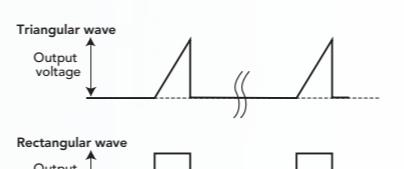


#### Traebert mode



#### I/T Curve Measurement mode AQ mode

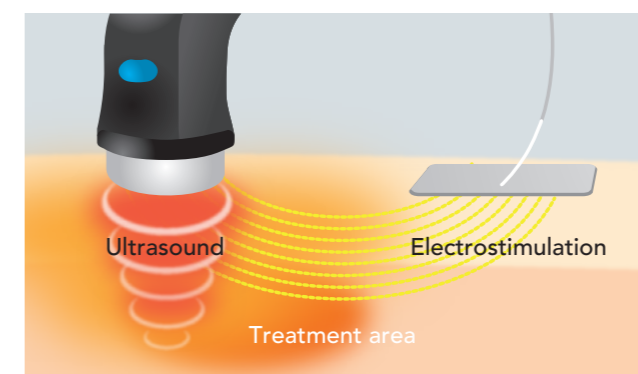
This mode measures recovery level of peripheral nerves.



## COMBINATION THERAPY

### MORE EFFICIENT RESULT, LESS TREATMENT TIME

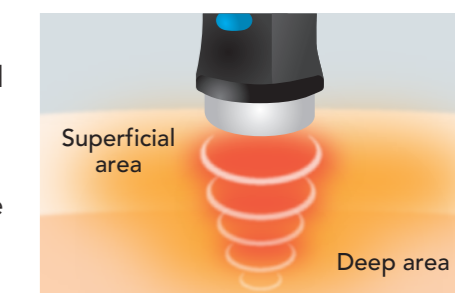
Combination therapy can be applied by providing electrotherapy and ultrasound therapy simultaneously, providing very efficient therapy. This type of therapy allows much shorter treatment time compared to succeeded separate applications of ultrasound and current.



## ULTRASOUND THERAPY

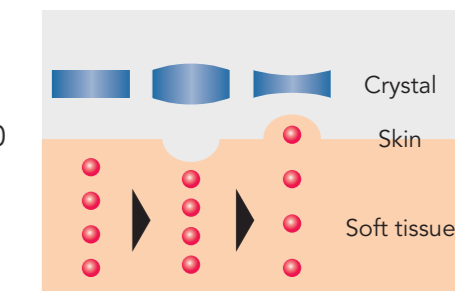
### EFFICIENT TREATMENT AVAILABLE BY MULTI-FREQUENCY ULTRASOUND

Ultrasound therapy ensures more efficient and effective treatment by frequencies of 1MHz for deep tissue and 3MHz for tissue close to the surface. Rapid heating is possible. Heating is likely to improve blood circulation and offer secondary benefits such as pain relief, promote tissue repair, and reduce recovery time.



### MICRO MASSAGE EFFECT BY SOUND PRESSURE

Piezoelectric effect generates ultrasound wave by expanding and contracting crystal in probe. High speed micro massage (1 MHz = 100 million per second, 3 MHz = 300 million per second) directly stimulates deep body tissues.



## 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 µA / 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. ±5%

## Ultrasound Specifications

**US mode:** continuous, pulsed (duty 5, 10, 20, 30, 40, 50, 100%)  
**Intensity (max.):** 3 W/cm<sup>2</sup> pulsed or 2 W/cm<sup>2</sup> continuous  
**Pulse frequency:** 16 Hz, 48 Hz, 100 Hz ± 5%  
**US frequency:** 1 MHz or 3 MHz  
**BNR:** L probe: 4.6 (1 MHz) / 2.4 (3 MHz) ± 30%  
 S probe: 2.9 (1 MHz) / 2.4 (3 MHz) ± 30%  
**ERA (cm<sup>2</sup>):** L probe: 5.0 (1 MHz) / 5.0 (3 MHz) ± 20%  
 S probe: 0.7 (1 MHz) / 0.5 (3 MHz) ± 20%  
**Program memory:** Ultrasound: 18 presets, 10 free program memories  
 Combination: 1 presets, 80 free program memories  
**Probe head material:** Aluminum alloy  
**Probe head diameter:** 16 (S probe) / 37.5 (L probe) mm  
**Probe cable length:** 2 m (S probe) (L probe)  
**Class of protection against ingress of harmful water**  
 (according to IEC 60601-2-5): IPX 7 (Ultrasound probe)  
**Applicable coupling agents:** Ultrasound gel and Ointment  
**Timer:** Max. 30 min. ± 5%