GENERAL CATALOGUE

for Electrotherapy

ITO PHYSIOTHERAPY &REHABILITATION

CONTENTS

Company Profile

Products

Message from the President

Drawing on an outstanding history and track record to move toward a new future in physiotherapy

Since our founding in 1916, based on the clear vision of founder Kenji Ito, ITO has made steady progress in physiotherapy over a long history of more than 100 years. Our electric physiotherapy devices have earned a strong reputation for technology, results, and usability, a reputation we believe is rooted in our focus on contributing to society rather than mere sales results—another legacy dating from the time of our founder.

In its essence, physiotherapy involves not just technical capabilities, but establishing an approach founded on evidence-based medicine (EBM). For this reason, through ongoing joint research with universities and research institutions, we've moved quickly to demonstrate the evidence and backing for the efficacy of our products. This represents the foundations of our vision for mastering physiotherapy and a key element in the support we provide not just to medical institutions, but to the health of general consumers and conditioning efforts among athletes. With societies growing increasingly older around the world, we expect to see the sphere of our activities continue to expand, based on our grounding in fields in which we have already achieved significant expertise.

We also plan to continue pursuing research efforts to ensure comprehensive reliability and quality controls for our products and to develop new domains for physiotherapy.

Tsukasa Kurahashi, *President*

Corporate Philosophy

Spirit of Altruism

Since the foundation in 1916, we have always kept one corporate philosophy. It is the "Spirit of Altruism" practiced by Kenji Ito, the founder of ITO. Altruism is thinking and acting for the sake of others more than yourself. It is also known as the practice of Bodhisattva.

"Contribution to society by providing our devises to more people". This is our corporate mission and firm management philosophy. We dedicate ourselves in pursuit of this our mission forever.

Kenji Ito, *Founder*

There is a reason why people choose ITO

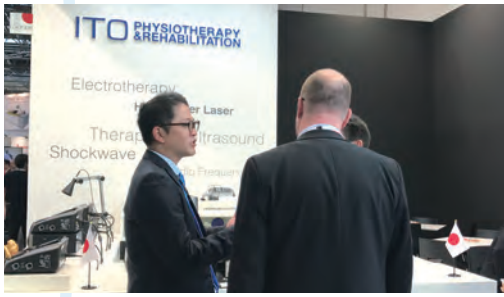
An international reputation and track record accumulated over 40 years in 100 countries

Since our founding in 1916, alongside its own research and development, ITO has sought out and adopted technologies from around the world to design numerous physiotherapy devices. Drawing on this legacy, we launched full-fledged international expansion efforts in the 1970s and opened offices in China and Vietnam during the 1990s. Since then, we've rapidly grown our businesses in Asian markets.

In 1996, we began exhibiting in MEDICA, in Dusseldorf, Germany, the world's largest medical device trade show. We've also exhibited in other leading trade shows around the world, including Arab Health in the UAE and CMEF in China.

Our more than 40 years of activities worldwide have helped build deep-rooted global trust in ITO. Today, we export our high-quality products to more than 100 countries.

A spirit that inspires us to continue pursuing challenges posed by new domains



ITO's product development history is characterized by an eagerness to tackle the challenges of miniaturization, sophisticated features, and high performance. This spirit emerges from our founder's vision—to help people live healthier lives by broadening the range of therapy devices available for use at home.

Since successfully miniaturizing shortwave therapy devices about 80 years ago, ITO has continually striven to make our devices as compact as possible while retaining the features and performance of larger therapy devices. Products born from our unique expertise, including portable ultrasound therapy devices, portable interferential electrotherapy devices, and ultracompact hand-carried electrostimulator equipment, have been welcomed with wonder in markets around the world.

Grounded in this unique approach and offering advanced features, ITO's compact high-performance products are used today across a wide range of domains, from rehabilitation to athletic conditioning and therapy to in-home care.

2018 Head office relocated to Kawaguchi, Saitama, Japan

2017 ITO Manufacturing Vietnam Co., Ltd. established in Hanoi, Vietnam

2016 100th anniversary

2010 US-101L / US-103S, a new style in portable ultrasound therapy systems, launched

2006 90th anniversary of founding celebrated US-750 wins 2006 iF Design Award

2005 EU-940 wins 2005 iF Design Award

2004 Reliability Control Center established

2003 ES-420 and ES-160 win 2003 iF Design Award
ISO 14001 certification acquired

2001 ISO 13485 certification acquired

1999 ISO 9001 certification acquired

1998 Hanoi Office opened in Vietnam Trio 300, world's first miniature multi-mode stimulator, launched
PM-800 Series, world's first inverter-controlled microwave therapy unit, launched

1994 Shanghai Office opened in P.R.China

1989 Osteotron, Japan's first bone-growth stimulator, launched
Tsukuba Factory opened

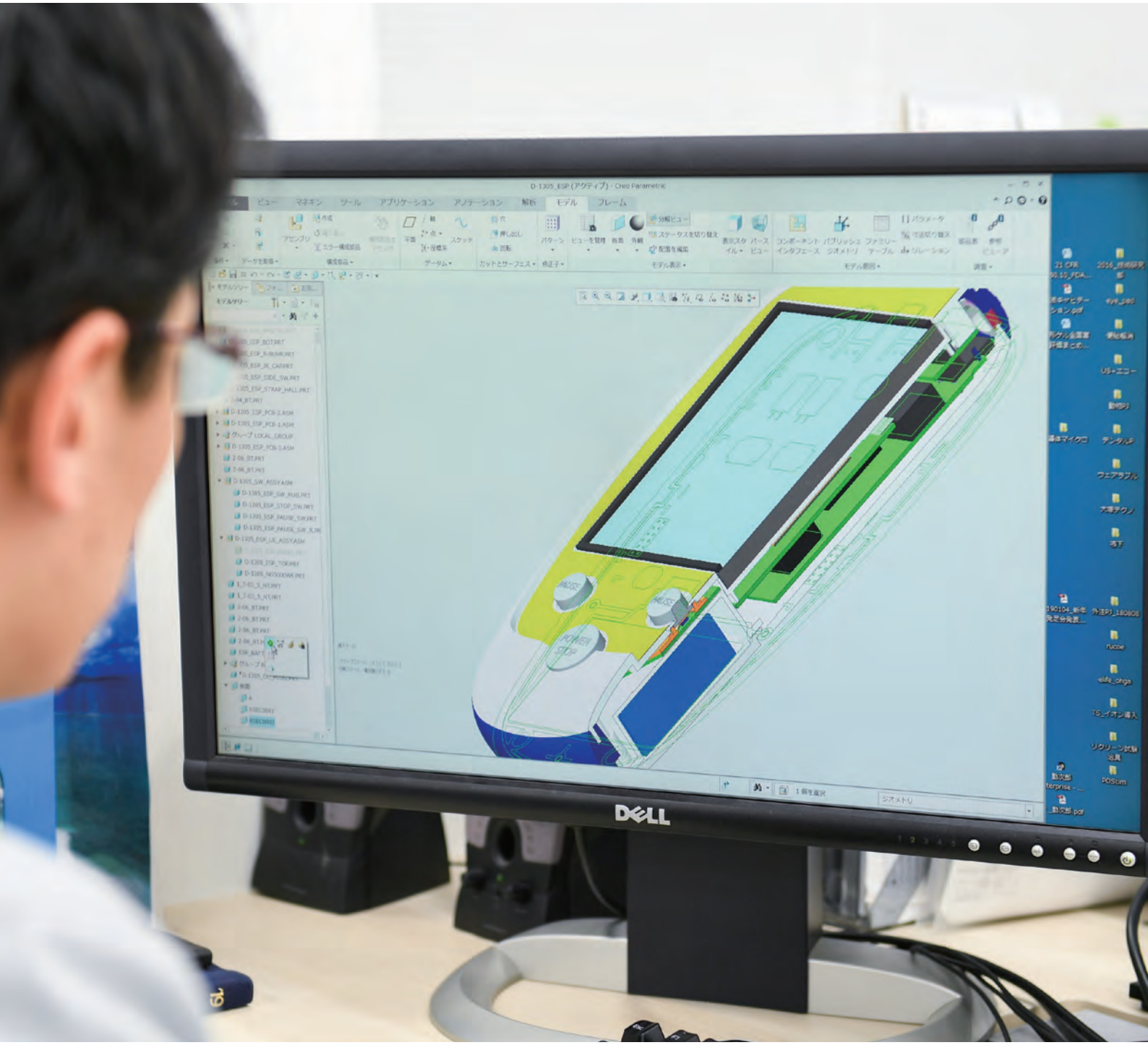
1983 R&D Center opened

1957 Company name changed to ITO Co., Ltd.
Wide range of electrotherapy equipment developed

1934 Japan's first shortwave therapy unit, developed

1924 "Radio and Experiments" monthly magazine, Japan's first specialist radio technology magazine, first published (Now published by Seibundo Shinkosha publishing company)

1916 Tokyo Medical Electric Co., Ltd. founded by Kenji Ito
Japan's first AC X-ray machine and other devices developed



Research & Development

Developing highly reliable and effective products based on the latest information and comprehensive EBM

Advancing joint research with numerous research institutions

The concept of evidence-based medicine (EBM) has drawn significant attention in the field of physiotherapy.
Focusing on the significance of EBM, at ITO, we, too, consider it essential to demonstrate the effectiveness of our products through scientific and clinical approaches. We constantly and proactively collect the latest information from academic associations around the world, including the World Confederation for Physical Therapy (WCPT). We pursue advanced joint research with research institutions and physiotherapists in Japan and around the world, incorporating the results into our products. Our products have also begun to draw attention in dental field, and research seeking to demonstrate the efficacy of ultrasound technology in dental therapy is advancing rapidly.

Pursuing research and development through multiple development sections

We established a general R&D section in 1983. We strive to develop devices that will contribute to society, reflecting societal and corporate needs identified by sales personnel. In recent years, for example, demand has grown for compact devices in the field of in-home care. We offer extensive and proprietary expertise in compact, sophisticated, and high-performance devices with advanced features, a natural result of our focus on device miniaturization over the years. Building on this track record, we're striving to develop even more advanced products.

Quality certified under international standards

We obtained ISO certification for the first time in 1998. Since then, we've gained certification under numerous rigorous international standards, including ISO 13485 (Medical devices – Quality management systems) and ISO 14001 (Environmental management systems). We remain dedicated to pursuing new possibilities in physiotherapy by strengthening not just our technical capabilities, but the reliability of our products. In this way, we seek to continue delivering products that contribute to society.

Superior Quality & Production

Producing trusted devices backed by advanced testing and inspection functions

One-person cellular production system improves quality and efficiency

In 2010, we adopted a one-person cellular production system under which each product is assembled, inspected, and packed by the same individual. Under this system, which is especially well-suited to producing a large variety of products in small lots, each worker handles all aspects of the production line, strengthening his or her sense of responsibility and improving skills dramatically. The system has also been highly successful in terms of work efficiency.

Rigorous quality controls with advanced testing equipment

To implement even more thorough quality controls, the Reliability Control Center established at the Tsukuba Factory in 2004 is fully equipped with some of the industry's most advanced testing equipment, including intelligent load testing robots, thermal shock chambers, low temperature thermo-hygrostats, hydrophones, vibration testers, drop impact testers, bending testers, micro focus X-ray inspection systems, and photomicroscopy systems. Before, we had outsourced quality control; now, with these in-house facilities, we are capable of applying maximum loads to each part and implementing even more thorough testing. We carry out repeated and rigorous testing to maintain reliable quality for the physical therapy devices used not just in medical care, but in homes.

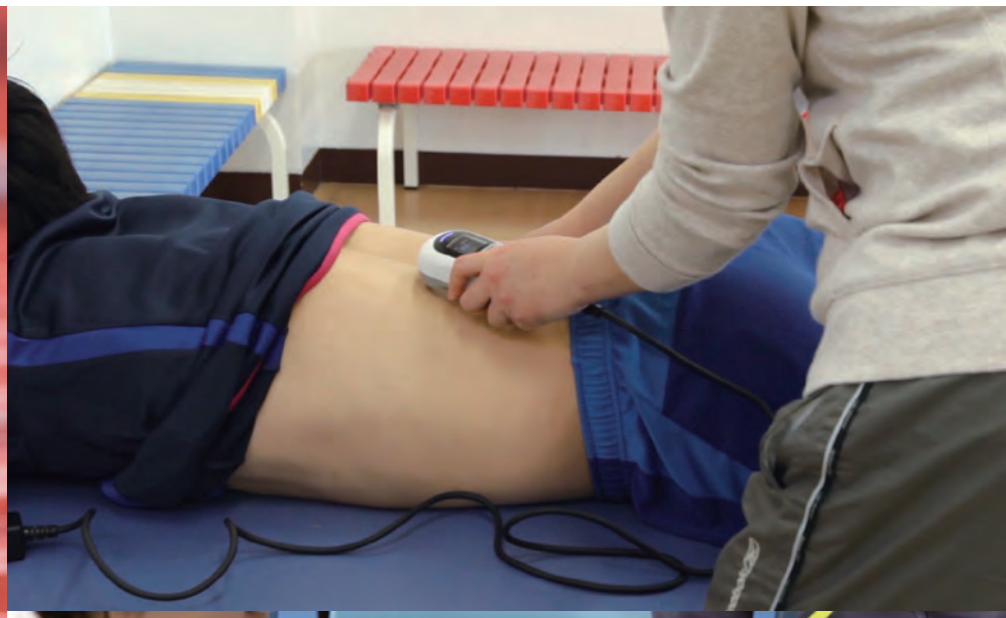
Establishing traceability for thorough product control

Stressing thorough traceability for each and every product, we maintain a structure that makes it possible to precisely ascertain information on every aspect of production, from the parts used to make a product through the assembly process and the shipping route. In the rare event of a product defect, this makes it possible to verify the causative factors from multiple angles. Since this approach can also be used to clearly ascertain information ranging from production records to the number of years for which each product has been in use, it allows swift response to any problems with products used for extended periods.
By delivering high-quality products at all times, we strive to earn the trust of our customers and to reward the high regard in which they hold us.

ITO & Sports

The ITO brand: A leader in athletic conditioning in Japan

For some 20 years, ITO has pursued efforts to support treatment and conditioning for athletes through physiotherapy. Today, thanks to the conditioning support we provide in numerous international competitions and our track record with many professional sports franchises, including soccer and baseball teams, the ITO name is known throughout the Japanese sports world. We've been designated an official sponsor or supplier for more than 30 athletic associations and teams, including the All Japan Judo Federation, the Japan Cycling Federation, the Japan Association of Athletics Federations, and the Japan Wheelchair Tennis Association.



Quality and technologies recognized by athletes worldwide

Today, ITO's initiatives in support of athletic endeavor extend around the world. Brazil's Sao Paulo FC, Chonburi FC in the Thai Premier League, Balmazújvárosi FC in Hungary professional football clubs have formally adopted ITO's physiotherapy devices, which they use to optimize the health and conditioning of their athletes. Our palm-sized ultrasound devices in particular have earned a sterling reputation for enabling conditioning away from team training centers.
Our treatment devices are widely used not just by sports teams, but hospitals, rehabilitation centers, and other facilities around the world, supporting athletes seeking to recover quickly from injuries. As requested by the Ministry of Culture, Sports and Tourism of Vietnam, we donated our devices to support the athletes on that nation's national teams. We have also hosted seminars on treatment methods at the Vietnam Sports Hospital. In these ways, our treatment devices today play major roles on the sports scene worldwide.

Overview of our lineup

Combination Therapy

EU-941
Multi-channel Electrotherapy / Ultrasound Combo

P.16

EU-921
Multi-channel Electrotherapy / Ultrasound Combo

P.16

Electrotherapy

ES-5400
Multi-channel Electrotherapy Unit

P.20

TENS 120Z
Dual Channel TENS

P.24

ES-5200
Multi-channel Electrotherapy Unit

P.20

Electrotherapy for dental use

D function

Multi-current Stim for TMJ

P.26

Ultrasound Therapy

US-751

Multi-frequency Ultrasound

P.28

US-101L / US-103S

Palm-sized Ultrasound

P.30

LIPUS Therapy (for Bone Growth)

OSTEOTRON Ⅳ

Ultrasound Bone Growth Stimulator

P.32

Shockwave Therapy

RSK-600

Radial Shockwave

P.34

Overview of our lineup

High Power Laser Therapy

LAZR-207 / LAZR-215 / LAZR-115

High Power Laser

P.36

Radio Frequency Therapy

DIA-TKR 800

Radio Frequency

P.38

Shortwave Diathermy

SW-1000

Pulsed & Continuous Shortwave

P.40

Microwave Diathermy

PM-810^{+}

Microwave Therapy

P.42

Traction Therapy

TM-400
Powered Traction Unit

P.44

Electroacupuncture

ES-160
6-channel Programmable Electroacupuncture

P.46

ES-130
3-channel Palm-sized Electroacupuncture

P.48

Digital Goniometer

EasyAngle
Accurate and Single Hand Operation ROM Measuring Device

P.50

Others

Best View Stand
Triangular Tilt Stand

P.52

EU-941 / EU-921

Multi-channel Electrotherapy / Ultrasound Combo

EU-941

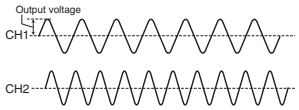
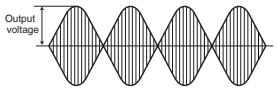
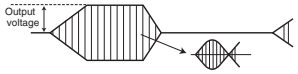
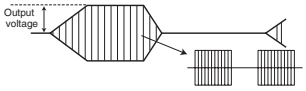
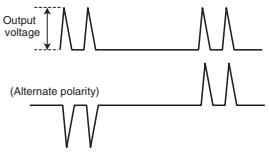
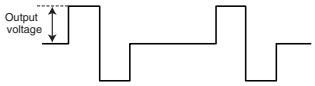
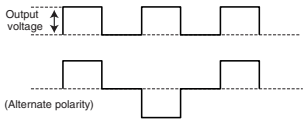
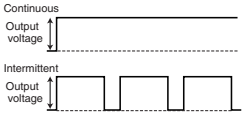
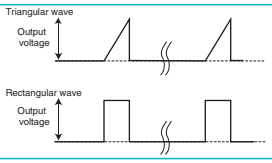
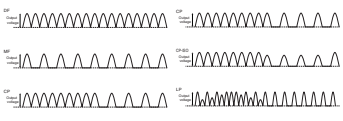
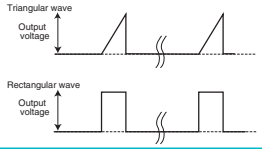
EU-921

Combination therapy can be applied by providing electrotherapy and ultrasound therapy simultaneously, providing very efficient therapy.
47 effective clinical programs are installed to our combination unit. You can simply choose the area to be treated from Human Body Diagram.
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.

Features

- 4 or 2 independent electrotherapy channels + 1 ultrasound channel
- Low BNR (Beam Non-uniformity Ratio)
- 47 effective clinical programs with Human Body Diagram for over 30 types of pathologies
- 13 types of frequently used current modes installed
- Visual probe contact status
- 210 memorable program numbers
- Sequential mode to apply two designated therapeutic courses without having to modify unit parameters
- Constant current / constant voltage modes
- Exclusive vacuum unit available (Optional)
- Multi-frequency treatment probes (1 MHz and 3 MHz)
- Full-color, 7″ LCD touch screen
- 9 languages available (English, German, French, Italian, Spanish, Portuguese, Turkish, Vietnamese & Chinese)
- 2 ultrasound probes connectable
- Selectable coupling sensitivity for ultrasound gel or medicated gel

Current Details

Current Mode	Waveform image	Output mode	Maximum amplitude (peak)	Frequency
IF-4		Constant, Sweep	100 mA	1–250 Hz
IF-2		Constant, Sweep	100 mA	1–250 Hz
EMS		Surge Independent, Surge Co-Cont, Surge Alternate	100 mA	20–250 Hz
Russian		Surge Independent, Surge Co-Cont, Surge Alternate	100 mA	2.5 kHz
High Voltage (HV)		Constant, Sweep, Burst, Surge Independent, Surge Co-Cont, Surge Alternate	600 mA	0.5–200 Hz
TENS		Constant, Sweep, Burst, Surge Independent, Surge Co-Cont, Surge Alternate	100 mA	0.5–250 Hz
Microcurrent (MCR)		Constant	750 µA	0.2–400 Hz
Galvanic		Continuous, Interrupted	20 mA	0.95–15.8 Hz
Faradic		Surge Independent	70 mA	20–250 Hz
Diadynamic		DF, MF, CP, CP-ISO, LP, RS	70 mA	50 Hz or 100 Hz
Traebert		Constant	70 mA	142 Hz
I/T Curve • AQ		Constant	70 mA	I/T Curve: 0.33–0.5 Hz AQ: 0.33 Hz

Specifications

	EU-941	EU-921
Power supply	AC 100–240 V, 50/60 Hz	
Power consumption	190 VA	140 VA
Number of channels	5 independent (4 for electrotherapy, 1 for ultrasound)	3 independent (2 for electrotherapy, 1 for ultrasound)
Display	Full-color, 7″ LCD touch screen	
Safety class according to IEC 60601-1	Class I, Type BF	
Dimensions	350 (W) × 270 (D) × 145 (H) mm	
Weight	4 kg	3.5 kg
Electrotherapy		
IF carrier frequency	2 kHz, 4 kHz, 5 kHz, 8 kHz, 10 kHz	
Vector sweep (for IF-4)	0°, 15°, 30°, 45°	
User-defined protocol memories	120	
Pre-programmed clinical protocols	28	
Timer	Max. 60 min.	
Ultrasound		
Ultrasound mode	Continuous, Pulsed (5%, 10%, 20%, 30%, 40%, 50%)	
Ultrasound intensity (max.)	Continuous: 2 W/cm^2, Pulsed: 3 W/cm^2	
Ultrasound frequency	1 MHz, 3 MHz	
Pulse frequency	16 Hz, 48 Hz, 100 Hz	
User-defined protocol memories	10 (for US) / 80 (for Combo)	
Pre-programmed clinical protocols	18 (for US) / 1 (for Combo)	
Timer	Max. 30 min.	
Number of US Probe connections	2	
Probe head diameter	[Large] 37.5 mm / [Small] 16 mm	
BNR US Probe head (IEC Standards)	[Large] 1 MHz: 4.6 / 3 MHz: 2.4 [Small] 1 MHz: 2.9 / 3 MHz: 2.4	
ERA US Probe head (IEC Standards)	[Large] 1 MHz: 5.0 cm^2 / 3 MHz: 5.0 cm^2 [Small] 1 MHz: 0.7 cm^2 / 3 MHz: 0.5 cm^2	
Probe cable length	2 m	
Degree of protection against harmful ingress of water	IPX7 (US Probe)	

Ordering Data

Standard Kit *Standard kit includes main unit.		EU-941	EU-921
012418	Ultrasound Probe (L)	1×	1×
B180534	Electrode Cable (Brown)	1×	1×
B180535	Electrode Cable (Red)	1×	—
B180536	Electrode Cable (Orange)	1×	—
B180537	Electrode Cable (Yellow)	1×	1×
011151	Rubber Electrode (M), 60 × 50 mm, 2pcs/pack	4×	2×
011148	Electrode Sponge A (M), 80 × 65 mm, 2pcs/pack	4×	2×
011655	Strap (L), 80 × 1200 mm	4×	2×
011654	Strap (S), 80 × 600 mm	4×	2×
012298	Probe Holder	1×	1×
120612	Ultrasound Gel (250 ml)	1×	1×
180562	Power Supply Cord (220–240 V, Type F) or	1×	1×
180566	Power Supply Cord (110–120 V, Type B)		

Optional Accessories *Available to both EU-941 and EU-921	
012416	Ultrasound Probe (S)
011152	Rubber Electrode (L), 100 × 60 mm, 2pcs/pack
011150	Rubber Electrode (S), 50 × 30 mm, 2pcs/pack
011149	Electrode Sponge A (L), 120 × 80 mm, 2pcs/pack
011147	Electrode Sponge A (S), 70 × 45 mm, 2pcs/pack
010306	Self-adhesive Electrode, 49 × 49 mm, 4pcs/pack
010747	Self-adhesive Electrode, 89 × 51 mm, 4pcs/pack
010889	Self-adhesive Electrode, ø32, 4pcs/pack
011356	HV/DC Probe
011172	MCR (Microcurrent) Probe, 2pcs/pack
—	Vacuum Unit (Please see next page.)

SU-540 / SU-520<BK>

Blow-out System Vacuum Unit

SU-540 with EU-941

SU-520<BK> with EU-921

SU-540 for EU-941 and SU-520<BK> for EU-921, both models adopt blow-out vacuum system, and therefore no water reservoir is needed. It is virtually maintenance-free, since dust or moisture does not adhere inside the tube or on the connections, resulting in preventing blockages and oxidation.

Specifications

	SU-540	SU-520 <BK>
Power supply	AC 100–240 V, 50/60 Hz	AC 110, 120 or 220–240 V, 50/60 Hz
Power consumption	150 VA	110 and 120 V: 70 VA 220–240 V: 90 VA
Number of channels	4 independent	2 independent
Dimensions	345 (W) × 315 (D) × 115 (H) mm	345 (W) × 267 (D) × 116 (H) mm
Weight	8.5 kg	8 kg
Suction pressure	0 to -100 mmHg	

Ordering Data

Standard Kit *Standard kit includes main unit.		SU-540	SU-520 <BK>
011771	Electrode Hose (Blue)	2×	1×
011772	Electrode Hose (Gray)	2×	1×
012399	Vacuum Electrode B (S), ø80 (Gray)	4×	2×
012400	Vacuum Electrode B (S), ø80 (Blue)	4×	2×
011276	Electrode Sponge B (S), ø70, 4pcs/pack	4×	2×
180562	Power Supply Cord (220–240 V, Type F) or	1×	1×
180566	Power Supply Cord (110–120 V, Type B)		

Optional Accessories *Available to both SU-540 and SU-520 <BK>	
012401	Vacuum Electrode B (L), ø100 (Gray)
012402	Vacuum Electrode B (L), ø100 (Blue)
120974	Suction Cup (L), ø100 (Gray) (cup only)
120975	Suction Cup (L), ø100 (Blue) (cup only)
120976	Suction Cup (S), ø80 (Gray) (cup only)
120977	Suction Cup (S), ø80 (Blue) (cup only)
151157	Suction Steel Plate (L), ø55
151083	Suction Steel Plate (S), ø45
121359	Suction Head
121360	Suction Head Cap
011277	Electrode Sponge B (L), ø90, 4pcs/pack
220278	Paper Disk (L), ø90, 100pcs/pack
220279	Paper Disk (S), ø70, 100pcs/pack

ES-5400 / ES-5200

Multi-channel Electrotherapy Unit

ES-5400

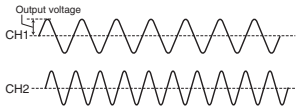
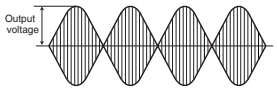
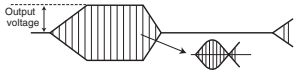
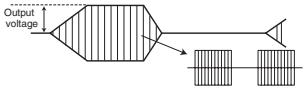
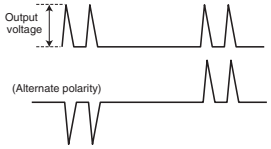
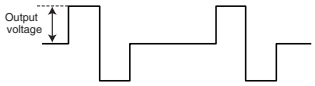
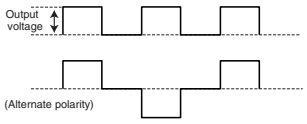
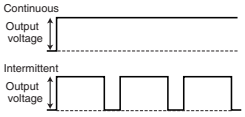
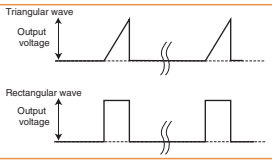
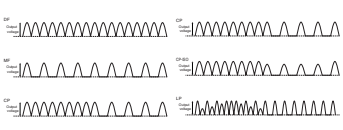
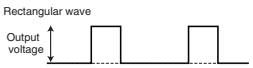
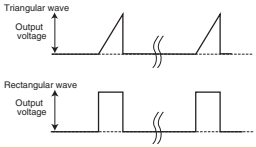
ES-5200

Electrotherapy is a treatment that promotes or represses vital reactions through the application of electric stimulation to the neuromuscular system or sensory nerves. Intended use is to reduce pain, improve muscle strength, increase joint mobility, suppress spasms, promote blood circulation and reduce the severity of edema. 28 pre-programmed therapy parameters are installed in ES-5400 and ES-5200 for over 20 types of typical pathologies. You can simply choose the area to be treated from Human Body Diagram.

Features

- 4 or 2 independent electrotherapy channels
- 28 effective clinical programs with Human Body Diagram
- 13 types of frequently used current modes installed
- Sequential mode to apply two designated therapeutic courses without having to modify unit parameters
- Exclusive vacuum unit available (optional)
- Constant current / constant voltage modes
- Full-color, 7″ LCD touch screen
- 120 memorable program numbers
- 9 languages available (English, German, French, Italian, Spanish, Portuguese, Turkish, Vietnamese & Chinese)

Current Details

Current Mode	Waveform image	Output mode	Maximum amplitude (peak)	Frequency
IF-4		Constant, Sweep	100 mA	1–250 Hz
IF-2		Constant, Sweep	100 mA	1–250 Hz
EMS		Surge Independent, Surge Co-Cont, Surge Alternate	100 mA	20–250 Hz
Russian		Surge Independent, Surge Co-Cont, Surge Alternate	100 mA	2.5 kHz
High Voltage (HV)		Constant, Sweep, Burst, Surge Independent, Surge Co-Cont, Surge Alternate	600 mA	0.5–200 Hz
TENS		Constant, Sweep, Burst, Surge Independent, Surge Co-Cont, Surge Alternate	100 mA	0.5–250 Hz
Microcurrent (MCR)		Constant	750 µA	0.2–400 Hz
Galvanic		Continuous, Interrupted	20 mA	0.95–15.8 Hz
Faradic		Surge Independent	70 mA	20–250 Hz
Diadynamic		DF, MF, CP, CP-ISO, LP, RS	70 mA	50 Hz or 100 Hz
Traebert		Constant	70 mA	142 Hz
I/T Curve • AQ		Constant	70 mA	I/T Curve: 0.33–0.5 Hz AQ: 0.33 Hz

Specifications

	ES-5400	EU-5200
Power supply	AC 100–240 V, 50/60 Hz	
Power consumption	150 VA	100 VA
Number of channels	4	2
Display	Full-color, 7″ LCD touch screen	
Safety class according to IEC 60601-1	Class I, Type BF	
Dimensions	345 (W) × 270 (D) × 145 (H) mm	
Weight	2.5 kg	2.3 kg
IF carrier frequency	2 kHz, 4 kHz, 5 kHz, 8 kHz, 10 kHz	
Vector sweep (for IF-4)	0°, 15°, 30°, 45°	
User-defined protocol memories	120	
Pre-programmed clinical protocols	28	
Timer	Max. 60 min.	

Ordering Data

Standard Kit *Standard kit includes main unit.		ES-5400	ES-5200
B180534	Electrode Cable (Brown)	1×	1×
B180535	Electrode Cable (Red)	1×	1×
B180536	Electrode Cable (Orange)	1×	—
B180537	Electrode Cable (Yellow)	1×	—
011151	Rubber Electrode (M), 60 × 50 mm, 2pcs/pack	4×	2×
011148	Electrode Sponge A (M), 80 × 65 mm, 2pcs/pack	4×	2×
011655	Strap (L), 80 × 1200 mm	4×	2×
011654	Strap (S), 80 × 600 mm	4×	2×
180562	Power Supply Cord (220–240 V, Type F) or	1×	1×
180566	Power Supply Cord (110–120 V, Type B)		

Optional Accessories *Available to both ES-5400 and ES-5200	
011152	Rubber Electrode (L), 100 × 60 mm, 2pcs/pack
011150	Rubber Electrode (S), 50 × 30 mm, 2pcs/pack
011149	Electrode Sponge A (L), 120 × 80 mm, 2pcs/pack
011147	Electrode Sponge A (S), 70 × 45 mm, 2pcs/pack
010306	Self-adhesive Electrode, 49 × 49 mm, 4pcs/pack
010747	Self-adhesive Electrode, 89 × 51 mm, 4pcs/pack
010889	Self-adhesive Electrode, ø32, 4pcs/pack
011356	HV/DC Probe
011172	MCR (Microcurrent) Probe, 2pcs/pack
—	Vacuum Unit (Please see next page.)

SU-540 / SU-520<BK>

Blow-out System Vacuum Unit

SU-540 with ES-5400

SU-520<BK> with ES-5200

SU-540 for ES-5400 and SU-520<BK> for ES-5200, both models adopt blow-out vacuum system, and therefore no water reservoir is needed. It is virtually maintenance-free, since dust or moisture does not adhere inside the tube or on the connections, resulting in preventing blockages and oxidation.

Specifications

	SU-540	SU-520 <BK>
Power supply	AC 100–240 V, 50/60 Hz	AC 110, 120 or 220–240 V, 50/60 Hz
Power consumption	150 VA	110 and 120 V: 70 VA 220–240 V: 90 VA
Number of channels	4 independent	2 independent
Dimensions	345 (W) × 315 (D) × 115 (H) mm	345 (W) × 267 (D) × 116 (H) mm
Weight	8.5 kg	8 kg
Suction pressure	0 to -100 mmHg	

Ordering Data

Standard Kit *Standard kit includes main unit.		SU-540	SU-520 <BK>
011771	Electrode Hose (Blue)	2×	1×
011772	Electrode Hose (Gray)	2×	1×
012399	Vacuum Electrode B (S), ø80 (Gray)	4×	2×
012400	Vacuum Electrode B (S), ø80 (Blue)	4×	2×
011276	Electrode Sponge B (S), ø70, 4pcs/pack	4×	2×
180562	Power Supply Cord (220–240 V, Type F) or	1×	1×
180566	Power Supply Cord (110–120 V, Type B)		

Optional Accessories *Available to both SU-540 and SU-520 <BK>	
012401	Vacuum Electrode B (L), ø100 (Gray)
012402	Vacuum Electrode B (L), ø100 (Blue)
120974	Suction Cup (L), ø100 (Gray) (cup only)
120975	Suction Cup (L), ø100 (Blue) (cup only)
120976	Suction Cup (S), ø80 (Gray) (cup only)
120977	Suction Cup (S), ø80 (Blue) (cup only)
151157	Suction Steel Plate (L), ø55
151083	Suction Steel Plate (S), ø45
121359	Suction Head
121360	Suction Head Cap
011277	Electrode Sponge B (L), ø90, 4pcs/pack
220278	Paper Disk (L), ø90, 100pcs/pack
220279	Paper Disk (S), ø70, 100pcs/pack

TENS 120Z

Dual Channel TENS

TENS 120Z has been sold for over 30 years. As the weight of the unit is less than 200 g and the unit size is very compact, you can easily bring it anywhere you like. You can fix parameters by using the safe-lock lever for safe treatment.

Features

- Portable size and weight
- Safe-lock lever for control knobs for safe treatment
- Longtime seller

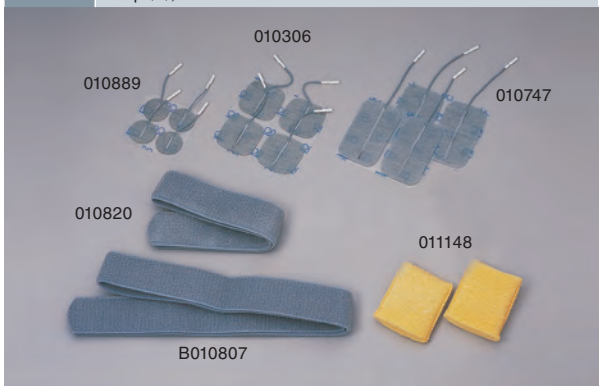
Specifications

Power supply	DC 9 V
Number of channels	2
Safety class according to IEC 60601-1	Internally powered equipment, Type BF
Dimensions	61 (W) × 27 (D) × 96 (H) mm
Weight	120 g (without a battery)
Current mode	TENS
Output mode	Constant, Burst, Modulation
Maximum amplitude	20 mArms
Frequency	2–200 Hz

Ordering Data

Standard Kit *Standard kit includes main unit.	
B120671	Rubber Electrode, 40 × 41 mm, 2pcs/pack, 2×
8003220	Gel Pad, 40 × 41 mm, 4pcs/pack
B180376	Electrode Cable, 2×
260182	Carrying Bag
NOTE: A battery is not included.	

Optional Accessories	
011148	Electrode Sponge A (M), 80 × 65 mm, 2pcs/pack
010306	Self-adhesive Electrode, 49 × 49 mm, 4pcs/pack
010747	Self-adhesive Electrode, 89 × 51 mm, 4pcs/pack
010889	Self-adhesive Electrode, ø32, 4pcs/pack
B010807	Strap (L), 45 × 1200 mm
010820	Strap (S), 45 × 600 mm



D function

Multi-current Stim for TMJ

Electrical stimulation is helpful to maintain and control the balance of the tension of nerves and muscles around the head and neck. It allows to effectively relieve pain associated with TMJ (temporomandibular joint).
D function is dual channel electrical muscle stimulator which is equipped with functional electric waveforms and programs to match the multiple needs for TMJ treatment.

Features

- Safe default output intensity for applications to the sensitive regions, such as head and neck
- Specifically developed single-use electrode for hygienic concern
- 2 channels with flexible control settings to treat lateral and bilateral TMJ
- The handy size ensures no restrictions in usage environment
- Also effective when combined with other clinical applications, such as splint therapy
- Wide range of treatment options to match the multiple needs for TMJ treatment

Specifications

Power supply	DC 7.4 V (battery) / DC 12 V (AC Adaptor)
Power consumption	30 VA
Number of channels	2
Display	Full-color, 3.5″ LCD touch screen
Safety class according to IEC 60601-1	Class II / Internally powered equipment, Type BF
Dimensions	84 (W) × 23.5 (D) × 151 (H) mm
Weight	230 g (including a battery)
Treatment mode	CARE, PAIN, MCR
Output mode	Surge, Sweep, Burst, Constant
Maximum amplitude (peak)	80 mA
Frequency	CARE: 0.67 Hz (fixed), PAIN: 200 Hz (max.), MCR: 400 Hz (max.)
Timer	Max. 60 min. (Max. 480 min. in MCR mode)

Ordering Data

Standard Kit *Standard kit includes main unit.	
012954	D function pad, 8 pcs/pack, 5×
180531	Electrode cable (1.15 m, Type A, black)
180530	Electrode cable (1.15 m, Type A, gray)
080767	AC adaptor
180885	Power cable
012953	Lithium ion battery *Installed in main unit before shipping
260724	Soft case

Treatment Images

TMJ and Masseter muscles

TMJ and Cervical spine

US-751

Multi-frequency Ultrasound

Ultrasound therapy is based on sonic energy inaudible to the human ear which generates micro vibration in body tissues. This vibration contributes to pain relief, localized increase in blood flow and stimulation of tissue repair. Furthermore, ultrasound generates thermal changes in the tissues which help to reduce muscle spasms and decrease joint contractures.
The BNR of US-751 is 2.4 to 3.0 (IEC standards), a significantly low ratio. Low beam non-uniformity ratio prevents hot spots and tissue damages. You can simply choose the area to be treated from Human Body Diagram. 42 parameters are pre-set. All the pre-set parameters can be modified to suit your particular needs.

Features

- Full-color, 7″ LCD touch screen
- Low BNR (Beam Non-uniformity Ratio)
- 42 pre-set parameters with human body diagram
- Visual probe contact status
- Selectable coupling sensitivity
- 8 languages available (English, German, French, Spanish, Portuguese, Turkish, Swedish & Chinese)
- 2 ultrasound probes connectable

Specifications

Power supply	AC 100–240 V, 50/60 Hz
Power consumption	85 VA
Number of channels	1
Display	Full-color, 7″ LCD touch screen
Safety class according to IEC 60601-1	Class I, Type BF
Dimensions	290 (W) × 233 (D) × 96 (H) mm
Weight	3 kg
Ultrasound mode	Continuous, Pulsed (5%, 10%, 20%, 30%, 40%, 50%)
Ultrasound intensity (max.)	Continuous: 2 W/cm^2, Pulsed: 3 W/cm^2
Ultrasound frequency	1 MHz, 3 MHz
Pulse frequency	16 Hz, 48 Hz, 100 Hz
Pre-set parameters	42
Timer	Max. 30 min.
Number of US Probe connections	2
Probe head diameter	[Large] 37.5 mm / [Small] 16 mm
BNR US Probe head (IEC Standards)	[Large] 1 MHz: 3.0 / 3 MHz: 2.4 [Small] 1 MHz: 2.9 / 3 MHz: 2.4
ERA US Probe head (IEC Standards)	[Large] 1 MHz: 5.0 cm^2 / 3 MHz: 5.0 cm^2 [Small] 1 MHz: 0.7 cm^2 / 3 MHz: 0.5 cm^2
Probe cable length	2 m
Degree of protection against harmful ingress of water	IPX7 (US Probe)

Ordering Data

Standard Kit *Standard kit includes main unit.	
012297	Ultrasound Probe (L) or
012330	Ultrasound Probe (L) (Canada version)
120612	Ultrasound Gel (250 ml)
012298	Probe Holder
080611	Core Filter
180672	Power Supply Cord (220–240 V, Type F) or
180676	Power Supply Cord (110–120 V, Type A) or
180673	Power Supply Cord (110–120 V, only North America, Type B)


012297

120612


012298


080611

Optional Accessories	
012296	Ultrasound Probe (S)
012329	Ultrasound Probe (S) (Canada version)


012296

US-101L / US-103S

Palm-sized Ultrasound

Ultrasound treatment is available in both acute and chronic phases for deep and superficial tissues. Difficult body parts to be treated such as toes or fingers can be treated by immersing a probe and the body part in water.
The BNR of US-101L / US-103S is 2.4 to 3.5 (IEC standards), a significantly low ratio. Low beam non-uniformity ratio prevents hot spots and tissue damages. As the weight of these units is less than 200 g and the unit size is very compact, you can easily bring them anywhere you like. Furthermore, it is possible to use these models in the areas with unstable supply of electricity if you charge battery in advance.

Features

- Easily portable
- One-hand operation
- Waterproof design
- Low BNR (Beam Non-uniformity Ratio)
- Rechargeable battery available (optional)
- 5 pre-set parameters installed (modifiable)

US-101L　　US-103S

Specifications

	US-101L	US-103S
Power supply	AC 100–240 V, 50/60 Hz or rechargeable battery (optional)	
Power consumption	50 VA	17 VA
Display	1.44″ color LCD	
Safety class according to IEC 60601-1	Class I / Internally powered equipment, Type BF	
Dimensions	134 (H) × 59 (W) × 55 (D) mm	134 (H) × 59 (W) × 60.5 (D) mm
Weight	200 g	190 g
Ultrasound mode	Continuous, Pulsed (5%, 10%, 20%, 30%, 40%, 50%)	
Ultrasound intensity (max.)	Continuous: 2 W/cm^2, Pulsed: 3 W/cm^2	
Ultrasound frequency	1 MHz	3 MHz
Pulse frequency	100 Hz	
Pre-set parameters	5	
Timer	Max. 30 min.	
Probe head diameter	37.5 mm	16 mm
BNR US Probe head (IEC Standards)	3.5	2.4
ERA US Probe head (IEC Standards)	5.0 cm^2	0.5 cm^2
Probe cable length	1.5 m	
Degree of protection against harmful ingress of water	IPX7 (except for Intermediate box)	

Ordering Data

Standard Kit *Standard kit includes main unit.

US-101L	
012055	Protective Cap for US-101L Probe
120612	Ultrasound Gel (250 ml)
012606	AC Adaptor (100–240 V)
012057	Power Supply Cord (220–240 V, Type F) or
180676	Power Supply Cord (110–120 V, except for North America, Type B) or
180673	Power Supply Cord (110–120 V, only North America, Type B)
*This cord uses along with an AC Adaptor.	

US-103S	
012058	Protective Cap for US-103S Probe
120612	Ultrasound Gel (250 ml)
012606	AC Adaptor (100–240 V)
012057	Power Supply Cord (220–240 V, Type F) or
180676	Power Supply Cord (110–120 V, except for North America, Type B) or
180673	Power Supply Cord (110–120 V, only North America, Type B)
*This cord uses along with an AC Adaptor.	

Optional Accessories

012608	Battery Charger
012061	Rechargeable Battery (except for North America) or
012173	Rechargeable Battery (only North America)
012062	Battery Case
012063	Unit Stand
012064	Pouch

OSTEOTRON Ⅳ

Ultrasound Bone Growth Stimulator

The sound pressure stimulation provided by the LIPUS (Low Intensity Pulsed Ultrasound) system accelerates the formation and re-union of fractured bone, and contributes to rapid recovery. LIPUS therapy is also effective to fresh fracture, delayed unions and nonunion. As OSTEOTRON IV has 2 output channels, simultaneous therapy for multiple areas is available. Only three-step output control to start treatment. You can easily bring the unit anywhere you like as the weight of main unit is approx. 300 g and the unit size is very compact.

Features

- 2 output channels
- Low BNR (Beam Non-uniformity Ratio)
- Dual frequency (1.5 MHz and 750 kHz)
- Easy probe attachment with exclusive probe retainers
- Easily portable
- AC or battery operation is available
- Simple operation (Only three-step output control to start treatment)
- Easy to carry with exclusive carrying case

Specifications

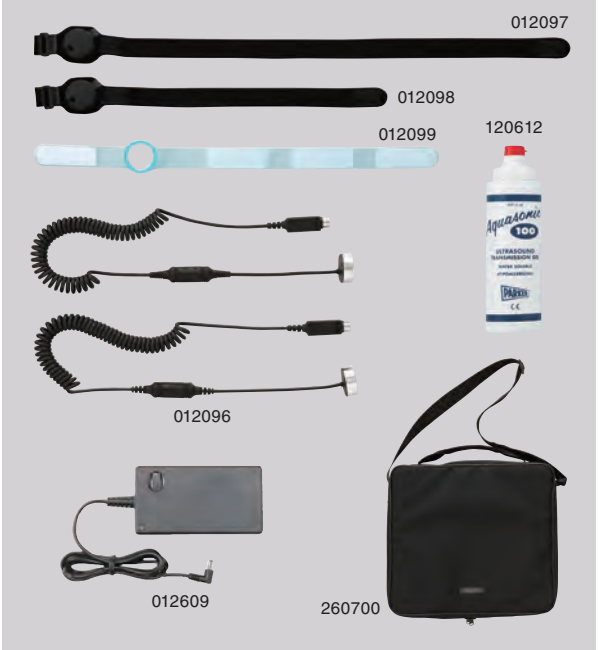
Power supply	DC 4.8 V (battery) / DC 5 V (AC Adaptor)
Power consumption	8 VA
Number of channels	2
Display	3″ LCD
Safety class according to IEC 60601-1	Class I / Internally powered equipment, Type BF
Dimensions	98 (W) × 40 (D) × 145 (H) mm
Weight	240 g (without batteries)
Ultrasound mode	Pulsed (20% fixed)
Ultrasound intensity (max.)	30 mW/cm^2, 45 mW/cm^2, 60 mW/cm^2 (SATA)
Ultrasound frequency	1.5 MHz, 750 kHz (optional)
Pulse frequency	100 Hz, 1000 Hz
Timer	20 min., 30 min.
Probe head diameter	32 mm
BNR US Probe head (IEC Standards)	[1.5 MHz] 3.5 [750 kHz] 3.0
ERA US Probe head (IEC Standards)	[1.5 MHz] 3.9 cm^2 [750 kHz] 3.5 cm^2
Probe cable length	0.5 m
Degree of protection against harmful ingress of water	IPX7 (US Probe)

Ordering Data

Standard Kit *Standard kit includes main unit.

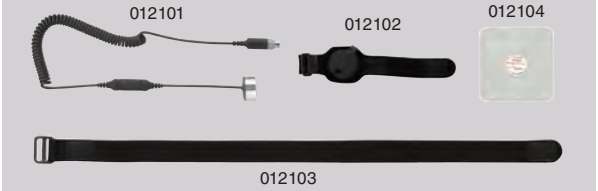
012096	Ultrasound Probe 1.5 MHz, 2×
012097	Probe Retainer with 700 mm Belt, for use with Cast
012098	Probe Retainer with 450 mm Belt, for use with Cast
012099	Probe Retainer with 470 mm Belt, for use without Cast
012609	AC Adaptor (100–240 V)
012057	Power Cable for AC Adaptor (220–240 V, Type F)
120612	Ultrasound Gel (250 ml)
260700	Carrying Bag

NOTE: Nickel metal hydride rechargeable batteries and a charger are not included. Purchase them locally.



Optional Accessories

012101	Ultrasound Probe 750 kHz
012102	Probe Retainer with 250 mm Belt, for use with Cast
012103	Extension Belt, 600 mm
012104	Solid Gel Pad , 8pcs/sheet



RSK-600

Radial Shockwave

Shockwave therapy is mainly used for the treatment of muscles, tendons, bones and soft tissues. Radial shockwaves are high energy acoustic waves. The kinetic energy of the projectile, created by the electromagnetic generator, is transferred to skin through the applicator of the handpiece. The collision generates shockwaves which diffuse, expanding radially, through skin and the first layer of tissue below.
The innovative electromagnetic generator of RSK-600 guarantees to generate up to 5,000,000 shots. The model contains a large interactive database containing over 60 pathologies which guide the operator through the treatment. The model does not need an air compressor as it applies an electromagnetic system. Because of its compact size, the device does not occupy much space.

Features

- 5 million shots guaranteed
- Clinical protocols for over 60 pathologies
- 3D protocols by phases
- Innovative swing mode
- Unique pulsed “ultra soft” shockwave
- 6 languages available (English, German, French, Spanish, Italian & Russian)
- Compact body for space saving
- Easy to carry with exclusive carrying case

Specifications

Power supply	AC 100–240 V, 50/60 Hz
Power consumption	250 VA
Display	Full-color, 5.7″ LCD touch screen
Safety class according to IEC 60601-1	Class I, Type B
Dimensions	320 (W) × 245 (D) × 130 (H) mm
Weight	2 kg (main unit) 0.95 kg (handpiece)
Output mode	Continuous, Burst, Swing
Output power	50–200 mJ (almost equivalent to 1–5 bar) *Adjustable in step of 10 mJ
Frequency	1–25 Hz
Specific protocols for	Bio-stimulant, Analgesic, Anti-inflammatory, Anti-edema, Tension Relief
Pre-programmed clinical protocols	For over 60 pathologies
Shockwave technology	Compressor–free ballistic radial shockwave with electromagnetic generator

Ordering Data

Standard Kit *Standard kit includes main unit.	
8004461	Handpiece
8004462	Applicator ø6
8004463	Applicator ø15
8004464	Applicator ø24
8004467	Foot switch
8004468	Silicone cap
8004472	Caliber
8004473	Holder
8004424	Bag

LAZR-207 / LAZR-215 / LAZR-115

High Power Laser

An advantage of laser therapy is its ability to work at deep area, and to resolve the cause of the pathology at its point of origin. This characteristic can be attributed to two properties of the laser: wavelength and power. The emission power also increases the effectiveness of the laser, transmitting the beneficial effects to great depth. Different wavelengths have different properties in terms of diffusion and absorption by human tissues.
As LAZR series has two wavelength modes, you can select suitable one for each therapeutic objective. Pathology Library includes over 60 pathologies with relative interactive protocols, sub-divided by phase.

Features

- The 2 wavelength modes, COMBINATION (810 + 980 nm) and SINGLE (1064 nm)
- Effective 7 emission modes (Pulsed, Single Pulse, Continuous Wave, Custom, AntInf, Burst and E^2C)
- Innovative patented "E^2C" emission mode installed
- Clinical protocols for over 60 pathologies
- Specific protocols for 5 main effects
- 6 languages available (English, German, French, Spanish, Italian & Russian)
- Easy to carry with exclusive carrying case

Specifications

	LAZR-207	LAZR-215	LAZR-115
Power supply	AC 100–240 V, 50/60 Hz		
Power consumption	160 VA		
Display	Full-color, 5.7″ LCD touch screen		
Safety class according to IEC 60601-1	Class I, Type B		
Dimensions	320 (W) × 245 (D) × 130 (H) mm		
Weight	3 kg		
Wavelength	810 nm + 980 nm		1064 nm
Guide light	650 nm (wavelength) / 3 mW (power)		
Laser power	up to 7 W	up to 15 W	
Emission mode	Continuous (CW), E^2C, AntInf, Pulsed, Single Pulse, Burst, Custom		
Operation mode	Joule, Timer, Trigger Point		
Specific protocols for	Bio-stimulant, Analgesic, Anti-inflammatory, Anti-edema, Tension Relief		
Pre-programmed clinical protocols	For over 60 pathologies		
Laser class	IV		

Ordering Data

Standard Kit *Standard kit includes main unit.	
8004442	Applicator ø40
8004441	Applicator ø30
8004447	Foot switch
8004448	Foot switch with Cover
8004444	Laser Warning Sign
8004450	Meter
8004446	Safety Glasses, 2×
8004443	3 Pole Interlock
8004424	Bag

DIA-TKR 800

Radio Frequency

We use innovative Switching Real Time technology for DIA-TKR 800: thanks to this important step forward in technology, it is possible to reach high power and increased therapeutic performance. Switching Real Time technology has also allowed the dimensions of the device to be reduced.
DIA-TKR 800 is compact, high power, and easily transportable. This important innovation has been made possible by the know-how which we have gained over the years, designing and building the components of its machines according to therapeutic results. The model features a single handpiece for both capacitive and resistive modes. With one simple command, it is possible to change from one mode to the other: simplicity and functionality in cutting-edge therapeutic technology.

Features

- Single handpiece for both Capacitive and Resistive modes
- AV mode (Automatic Mode and Automatic Pulsed Mode)
- Clinical protocols for over 60 pathologies
- Bio-transfer system
- Adjustable pulsed mode for effective thermal control
- 6 languages available (English, German, French, Spanish, Italian & Russian)
- Easy to carry with exclusive carrying case

Single Application Handpiece

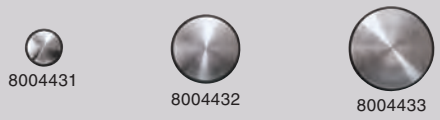
Specifications

Power supply	AC 100–240 V, 50/60 Hz
Power consumption	160 VA
Display	Full-color, 5.7″ LCD touch screen
Safety class according to IEC 60601-1	Class I, Type BF
Dimensions	320 (W) × 245 (D) × 130 (H) mm
Weight	1.8 kg
Output power	120 W effective (350 Wpp)
Operation mode	Joule, Timer, Adjustable Pulsed, AV (Automatic, Automatic Pulsed, Manual)
Frequency	470–560 kHz
Emission mode	Capacitive and Resistive
Pre-programmed clinical protocols	For over 60 pathologies

Ordering Data

Standard Kit *Standard kit includes main unit.	
8004411	Handpiece
8004412	Common Cable
8004413	Triax Cable
8004419	Patient Button
8004414	Conductive Creme
8004415	Creme Diffusor
8004416	Flat Plate ø35
8004417	Flat Plate ø60
8004418	Flat Plate ø80
8004421	Common Plate 150 × 200 mm
8004420	Common Plate 180 × 230 mm
8004422	Adhesive Plate 25pcs/box
8004423	Adhesive Electrode 120pcs/box
8004424	Bag

Optional Accessories	
8004431	Round Plate ø35
8004432	Round Plate ø60
8004433	Round Plate ø80



SW-1000

Pulsed & Continuous Shortwave

Shortwave therapy uses a frequency of 27.12 MHz. The electric-fields methods used in shortwave therapy comprise Capacitive (Condenser-field) and Inductive (Coil-field) methods. Shortwave in the form of electromagnetic radiation is absorbed by the body, generating molecular rotational movement and displacement current within the body, in accordance with the Maxwell equation. The unique wave motion of electromagnetic radiation propagates deep inside the body allowing tissue to be heated.
SW-1000 is pre-programmed with 10 therapy parameters for typical pathologies. You can use both continuous and pulsed output modes in one unit. 1000 W in pulsed mode and 400 W in continuous mode can be performed as maximum output power.

Features

- Continuous and pulsed modes selectable
- 10 effective clinical programs
- 16 memorable program numbers
- 3 types of pulsed output modes selectable
- Full color large touch screen interface
- High power output (1000 W in pulsed mode and 400 W in continuous mode)
- Auto-tuning function installed

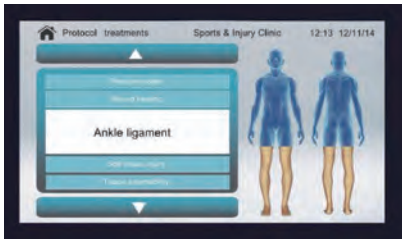
Specifications

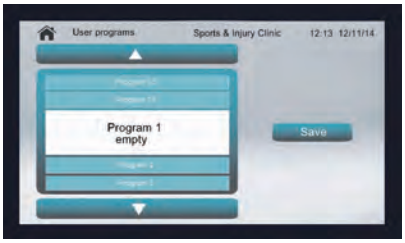
Power supply	AC 100–240 V, 50/60 Hz
Power consumption	1 kVA
Display	Full-color, 7″ LCD touch screen
Safety class according to IEC 60601-1	Class I, Type BF
Dimensions	470 (W) × 470 (D) × 940 (H) mm (main unit)
Weight	38 kg (without electrodes)
Output mode	Continuous, Pulsed (3 in 3, 2 in 3 or 1 in 3)
Maximum output power	1000 W (peak) in pulsed mode 400 W (mean) in continuous mode
Frequency	27.12 MHz
Pulse frequency	5 Hz, 10 Hz, 20 Hz, 30 Hz, 50 Hz, 80 Hz, 100 Hz, 200 Hz, 400 Hz, 600 Hz, 800 Hz
Pulse width	20 µs, 40 µs, 65 µs, 100 µs, 200 µs, 400 µs
Timer	Max. 30 min.

Ordering Data

Standard Kit *Standard kit includes main unit.	
8004809	100 mm Capacitive Electrodes and Cables, 2pcs/pack
8004808	Output Tester

Screens





PM-810+

Microwave Therapy

Microwave diathermy is classified as high frequency therapy which utilizes electromagnetic waves. As the energy from these waves is absorbed in high water content such as muscle and will make them warm, microwave diathermy will be practical and suitable for reduction of pain, relaxation of muscle and improvement of range of motion and treatment for pathologies in the muscles.
The smaller dimensions of PM-810+ do not occupy much space of treatment room. You can easily switch between Pulsed and Continuous modes by pressing button on the operating panel.

Features

- Effortless transition between pulsed and continuous mode
- Lockable caster wheels help to safely install the unit
- Space-saving design
- Just right size of rectangular applicator covers both small and medium treatment areas
- High quality well-shielded HF cable provides trouble-free operation

Specifications

Power supply	AC 110, 220 or 230 V, 50/60 Hz
Power consumption	110 V: 850 VA 220 V: 760 VA 230 V: 770 VA
Safety class according to IEC 60601-1	Class I, Type B
Dimensions	330 (W) × 395 (D) × 790 (H) mm (main unit)
Weight	28 kg (without applicator)
Output mode	Continuous, Pulsed
Maximum output power	Continuous: 100 W Pulsed: 100 W mean power, a fixed peak power of 1500 W
Frequency	2450 MHz
Timer	Max. 30 min.
Applicator size	293 × 150 mm

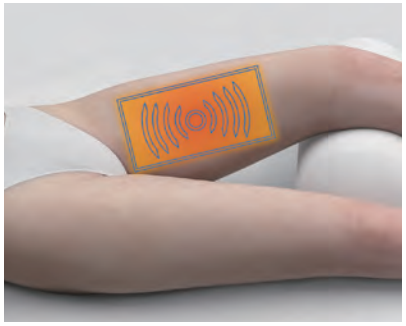
Ordering Data

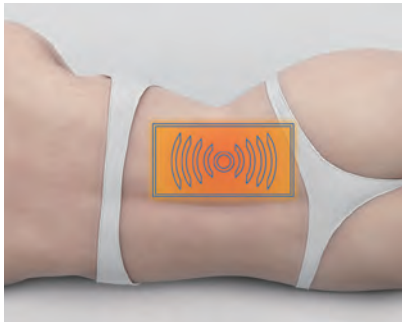
Standard Kit *Standard kit includes main unit.	
012040	Rectangular Applicator with HF Cable, 290 mm in width
151196	Tool for Tightening Arm Joint
180350	Power Supply Cord (220–240 V, Type F) or
180349	Power Supply Cord (110–120 V, Type A)

012040

151196

Treatment Images





TM-400

Powered Traction Unit

Traction therapy is one of the easiest and most effective methods for spinal decompression. Traction therapy influences the pressure between the vertebrae. Because of the pressure decrease during traction, a mechanical effect on the nerves is generated and a biophysical effect on the circulation and oxygen supply to the local structures occurs. This can result in immediate pain relief, but also in a structural improvement in the long run.
TM-400 is installed with most common effective 8 traction modes. Parameter of each mode can be modified to suit your particular needs. Innovative automatic calibration function for traction force is installed. It contributes to maintaining accurate and suitable traction force.

Features

- 8 traction modes
- 30 memorable program numbers
- Automatic calibration for traction force
- Large and high-visibility LCD screen
- Selectable pulling speed
- Exclusive traction table available (optional)
- Various types of traction harnesses can be suppied
- 10 languages available (English, German, French, Italian, Spanish, Portuguese, Danish, Dutch, Swedish & Chinese)
- Set and actual values of traction force are displayed on the same screen
- Patient switch for safe treatment

Specifications

Power supply	AC 100–240 V, 50/60 Hz
Power consumption	75 VA
Display	116 (W) × 87 (H) mm
Safety class according to IEC 60601-1	Class I, Type B
Dimensions	260 (W) × 350 (D) × 295 (H) mm
Weight	14 kg
Force range	1–90 kg (1–198 lbs)
Traction mode	Intermittent, Static, Progressive-intermittent, Progressive-static, Progressive-regressive, Cyclic-intermittent, Cyclic-static, Cyclic
User-defined protocol memories	30
Timer	Max. 99 min.

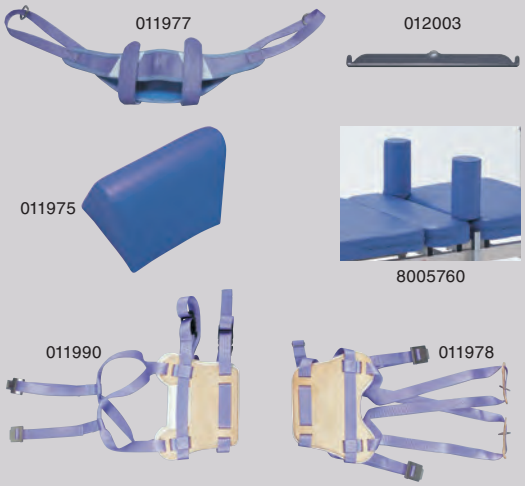
Ordering Data

Standard Kit *Standard kit includes main unit.

010850	Patient Switch
180350	Power Supply Cord (220–240 V, Type F) or
180290	Power Supply Cord (110–120 V, Type A)

Optional Accessories

011843	Traction Rope Kit
011975	Triangular Flexion Stool
011976	Pillow
011977	Cervical Harness
011978	Pelvic Harness
011990	Thoracic Harness
012003	Spreader Bar
8005760	Armpit Holder, 2pcs/set
8005704	Fixed Height Traction Table including 2 Armpit Holders, 600 × 2500 mm
8005701	Electric Variable Height Traction Table, 640 × 2540 mm



Traction Packages

Fixed Traction Table Package, including TM-400 traction unit

8005704	Fixed Height Traction Table including 2 Armpit Holders, 600 × 2500 mm
011977	Cervical Harness
011978	Pelvic Harness
012003	Spreader Bar

TM-400 + 8005704

Electric Traction Table Package, including TM-400 traction unit

8005701	Electric Variable Height Traction Table, 640 × 2540 mm
011977	Cervical Harness
011978	Pelvic Harness
011990	Thoracic Harness
012003	Spreader Bar

TM-400 + 8005701

Cervical Traction

Lumbar Traction

ES-160

6-channel Programmable Electroacupuncture

Electroacupuncture is to insert needles and apply electrical stimulation at very precise acupuncture points. Needling the acupuncture points stimulates the nervous system to release chemicals in the muscles, spinal cord and brain. These chemicals either change the experience of pain, or they trigger the release of other chemicals and hormones that influence the body's own internal regulating system.
ES-160 has various safety functions for safe treatment. Semi-independent 6 electro stimulation channels allow to treat various parts of body simultaneously. You can save 16 treatment parameters and quickly load & modify them as you like. The previous treatment saving function is also installed.

Features

- Semi-independent 6 electro stimulation channels
- Various stimulation modes installed (Constant, Burst, Surge, Fast+Slow, Sweep, Random-1, Random-2, Randam-3)
- Various safety functions for safe treatment
- Previous treatment parameter saving function & 16 memorable program numbers
- Acupuncture point search function with exclusive probe

Specifications

Power supply	DC 6 V
Number of channels	6 semi-independent
Safety class according to IEC 60601-1	Internally powered equipment, Type BF
Dimensions	239 (W) × 174 (D) × 41 (H) mm
Weight	600 g (without batteries)
Output mode	Constant, Burst, Surge, Fast+Slow, Sweep, Random prog. 1, Random prog. 2, Random prog. 3
Maximum amplitude	8 mArms
Frequency	0.5 Hz, 0.7 Hz, 1–500 Hz
Pulse shape	Symmetric biphasic rectangular pulse
Phase duration	50–400 µs
Timer	Max. 60 min.

Ordering Data

Standard Kit *Standard kit includes main unit.	
011380	Search/Stimulation Probe
011324	Electrode Cable (Black)
011325	Electrode Cable (Brown)
011326	Electrode Cable (Red)
011327	Electrode Cable (Green)
011328	Electrode Cable (Blue)
011329	Electrode Cable (Gray)
B060999	Exclusive Clips (Black), 6×
B061000	Exclusive Clips (Red), 6×
NOTE: Batteries are not included.	

ES-130

3-channel Palm-sized Electroacupuncture

Electroacupuncture is a method of encouraging the body to promote natural healing and to improve functioning.
As the weight of ES-130 is less than 150 g (without battery) and the unit size is very compact, you can easily bring it anywhere you like. Semi-independent 3 electro stimulation channels allow to treat for various parts of body simultaneously. "Semi-independent channels" means that you can apply different current intensity for each channel. Low/High intensity can be easily set by Selector Switch located at the back side of main unit.

Features

- Semi-independent 3 electro stimulation channels
- Easily portable
- Dual intensity setting (Low and High)
- Frequency range selector switch
- Frequency table & fine frequency adjustment dial for particular setting

Specifications

Power supply	DC 9 V
Number of channels	3 semi-independent
Safety class according to IEC 60601-1	Internally powered equipment, Type BF
Dimensions	63 (W) × 27 (D) × 96 (H) mm
Weight	120 g (without battery)
Maximum amplitude	14 mArms
Frequency	1–500 Hz
Pulse shape	Biphasic rectangular waveform
Phase duration	100 µs

Ordering Data

Standard Kit *Standard kit includes main unit.	
260182	Carrying Bag
B180432	Electrode Cable with Clips (White)
B180433	Electrode Cable with Clips (Yellow)
B180434	Electrode Cable with Clips (Green)
NOTE: A battery is not included.	

EasyAngle

Accurate and Single Hand Operation ROM Measuring Device

Measuring ROM is one of the most common measurements in physical therapy. It needs to be done on daily and treatment basis as the measuring progress is an important motivator for the patients. EasyAngle is a very innovative device which can help physicians for their daily work. The device is not just a device to measure ROM, it is a device that helps professionals become more professional.

Features

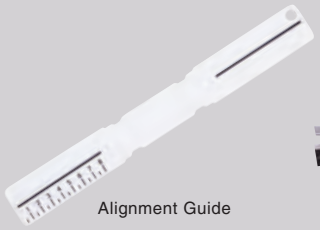
- Measurement can be quickly done with one hand, making it possible to support the patient with the other hand
- Can be used for measurement of all joints, replacing other devices such as the goniometer, inclinometer and CROM device
- High precision sensor and many studies show high reliability and validity
- Measurement is done with three quick clicks and only one alignment needs to be done at a time
- Ergonomic design and a clear display where the last five measurements are saved

Specifications

Power supply	DC 3.7 V (battery) / DC 5 V (USB cable)
Safety class according to IEC 60601-1	Internally powered equipment, Type B
Dimensions	86 (W) × 38 (D) × 37 (H) mm (main unit only)
Weight	69 g (including alignment guide)
Degree of protection against harmful ingress of particulate matter	IP4X
Operative duration time	2 weeks (12 min. use / day)

Standard Kit *Standard kit includes main unit.

—	Alignment Guide
—	USB cable



Alignment Guide

USB cable

Measurement Images

Best View Stand

Triangular Tilt Stand

Best View Stand dramatically improves visibility and operability for therapists.

without stand

with stand

Specifications

Available with	EU-941, EU-921, ES-5400, ES-5200

ITO CO.,LTD.

3-1-8 Sakae-cho, Kawaguchi-shi, Saitama 332-0017, Japan
TEL: 81-48-254-1031　FAX: 81-48-254-1033
URL: https://www.itocoltd.com/　E-Mail: itocoltd@itolator.co.jp

No.217　C0c000107-2306　T2307DATA