EiE
POLAND

MANUFACTURER
OF PHYSIOTHERAPY DEVICES
2014/15

HELPING THERAPISTS SINCE 1986

ELECTROTHERAPY
MAGNETOTHERAPY
LASER THERAPY
ULTRASOUND THERAPY
CARBON DIOXIDE THERAPY

www.eie.com.pl

EiE POLAND

- Certified Management System
- EN ISO 13485
- EN ISO 9001

Contents

Catalogue 2014-09

EiE OTWOCK - over a quarter of century of experience!

TRADITION

The company Elektronika i Elektromedycyna (Electronics and Electromedicine) is a private enterprise founded in Otwock near Warsaw, Poland, in 1986. For a quarter of century we have marketed thousands of units of different types and several generations. Our devices work in all of Poland and many places around Europe and outside.

MODERNITY

Designing our equipment we use our vast experience from over 25 years of production. Yet we always go forward with latest technical advances. Our newest line has original nice look and uses full color graphic touch panel screen. Great attention is paid to easiness of use – most functions are intuitive to the point that you do not need to look them up in the manual.

RELIABILITY

Our units are designed for continual use – very often they work 2 shifts a day all year long. This is not a challenge for them. We support maintenance of the equipment for many years, some 15 or 20 years olds still doing fine whenever necessary.

THREE THERAPIES IN ONE UNIT SOLATRONIC SLE

NEW!

Ultrasound therapy functions

- Continuous and pulsed work mode
- Double-frequency treatment heads: 1MHz and 3,3MHz with area of 5cm² or 1cm²
- Water-resistant treatment heads
- Sound and visual signal of probe contact with patient

Laser therapy functions

- Continuous and pulsed work mode
- Repeat dose function
- Built-in laser power meter

Electrotherapy functions

- Setting of different wave types („electrogymnastics")
- Setting of sequence of diadynamic currents
- User friendly electro-diagnostics (I/t curve points, automatic calculation of coefficients); last used data is stored in the memory

CHARACTERISTICS

- Modern device for electrotherapy, ultrasound and laser therapy
- Two treatments may be performed simultaneously
- May be used for combined therapy
- Big, color graphic screen (4,3") with touch panel
- User-friendly operation by touch screen and buttons
- Ergonomic and leightweight treatment heads
- Comfortable applicator holder
- Modern design of control unit and probes
- Ready to use programs for typical illnesses
- User's own programs – with easy to use screen keyboard
- Individual adjustment of treatment parameters
- Fan control system for minimizing noise and energy consumption
- Counters of number and time of treatments
- May be used as portable for home treatments

STANDARD ACCESSORIES

- User's Manual
- set of electrodes, viscose pads, fixing bands
- electrotherapy treatment cables
- spare fuses – 2pcs
- therapy gel
- warning labels

OPTIONAL ACCESSORIES

- electrodes of different types and other electrotherapy accessories
- ultrasoud heads:
  SU-5: 5cm² / 1MHz or 3,3MHz
  SU-1: 1,33cm² / 1MHz or 3,3MHz
- laser probes:
  point probes S-1N, S-2N, S-3N
  cluster probes SP-1, SP-2, SP-3
- laser protective eyewear
- transport bag for control unit and accessories

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ULTRASOUND TREATMENT HEADS DATA

TYPE OF TREATMENT HEAD	SU-5	SU-1
therapeutic area	5 cm^2	1,33 cm^2
ultrasound frequency	1 MHz or 3,3 MHz	1 MHz or 3,3 MHz
max. continuous power density	2,5 W/cm^2	2,5 W/cm^2
peak pulse power density	3,0 W/cm^2	3,0 W/cm^2

CONTROL UNIT DATA

• laser data:	
◦ laser device class	3B
◦ treatment timer	1s-99min
• ultrasound data:	
◦ ultrasound frequency	1MHz or 3,3MHz
◦ max. mean power	12.5W
◦ pulse frequency	10 - 150 Hz
◦ work mode	continuous or pulsed
◦ duty factor	5 - 100%
◦ treatment timer	30 s - 30 min
• power supply: 1-phase	~230V 10%, 50Hz, 70VA
• electric safety class	I type BF
• ambient temperature	10°C - 40°C
• relative humidity	up to 85%
• dimensions	335 x 270 x 125 mm
• weight	3.5 kg

Cluster probes

NEW!

Point probes

LASER PROBES DATA

POINT PROBES

PROBE TYPE	S-1N	S-2N	S-3N
wavelength	905 nm	660 nm	808 nm
impulse power	50 W	40 mW	400 mW
mean power	50 mW	40 mW	400 mW
frequency	5-5000Hz	5-9999Hz	5-9999Hz
impulse energy	10 µJ	—	—
impulse width	200ns	—	—

CLUSTER PROBES

PROBE TYPE	SP-1	SP-2		SP-3
wavelength	660 nm	660 nm	808 nm	808 nm
number of diodes	9	5	4	9
single diode power	40 mW	40 mW	160 mW	160 mW
continuous power	360 mW	840 mW		1440 mW
power regulation range	(10-360mW)	(10-840) mW		(10-1440) mW
frequency	5-9999Hz	5-9999Hz		5-9999Hz
treatment area	50cm^2	50cm^2		50cm^2

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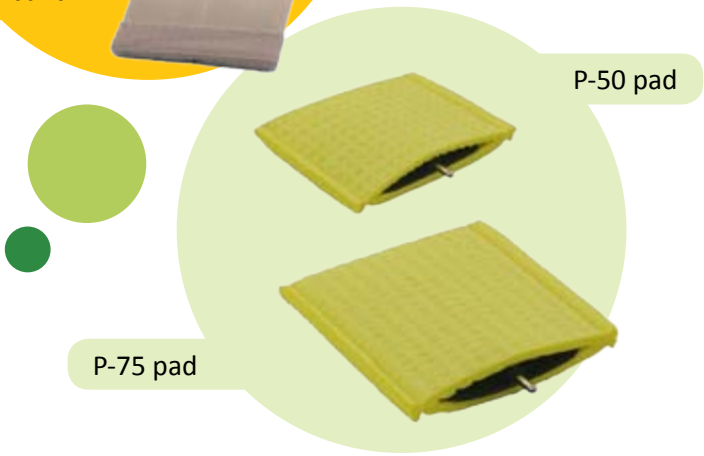
THERAPEUTIC APPLICATION OF ELECTRIC CURRENT THERAPY

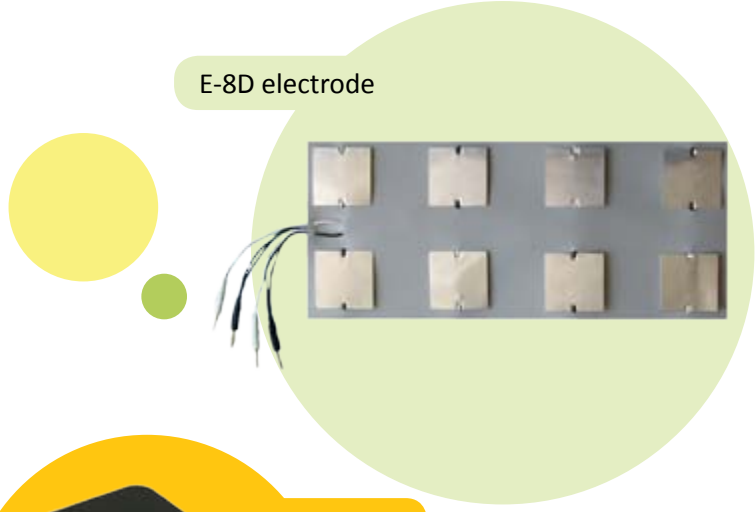
Electric currents may be used in treatment of (among others):

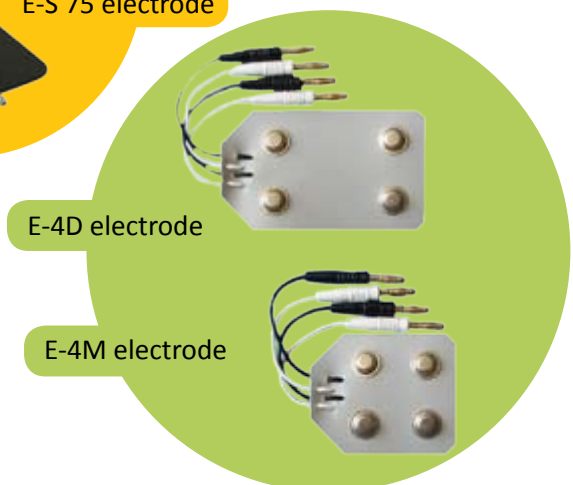
- Treatment of pain syndromes of motor system
- Degenerative joint diseases
- Peripheral circulation disturbances
- Post-traumatic states: distorsion, soft tissue bruises
- Neuralgia
- Vascular illness
- Periarticular inflammation
- Degenerative lesions of joints
- Muscle atrophy
- Nerve paresis
- Poorly healing wounds
- Delayed bone adhesion

They may be also used for:

- Muscle stimulation at simple atrophy, paresis, contractures
- Neurological damage stimulation
- Rebuilding muscle tension after injury or operation
- Selective anti–pain treatment
- Increasing muscle strength (in rehabilitation and sport)







TECHNICAL DATA:

Diadynamic current	
• Mean value for DF	0-30 mA
• Mean value for MF	0-15 mA
Interferential current	
• Current (RMS)	0-60 mA
• Interferential frequency	1-200 Hz
Stimulation current (medium frequency)	
• Amplitude	0-100 mA
TENS, HV current	
• Amplitude	0-100 mA
• Frequency	1-200 Hz
• Pulse width	50-250 µs
KOTZ current	
• Amplitude	0-100 mA
TRÄBERT current	
• Amplitude	0-100 mA
Galvanic current	
• Amplitude	0-50 mA
Wave modulation / electrogymnastics	
• Pulse time	0,5-8s
• Break time	1-16s
• Envelope adjustment	0-100%

SOLATRONIC SL-3
ULTRASOUND AND LASER THERAPY IN ONE DEVICE

CHARACTERISTICS

- Modern device for ultrasound and laser therapy
- Two treatments may be performed simultaneously
- Big, color graphic screen (4,3") with touch panel
- User-friendly operation by touch screen and buttons
- Ergonomic and lightweight treatment heads
- Comfortable applicator holder
- Modern design of control unit and probes
- Ready to use programs for typical illnesses
- User's own programs – with easy to use screen keyboard
- Individual adjustment of treatment parameters
- Fan control system for minimizing noise and energy consumption
- Counters of number and time of treatments
- May be used as portable for home treatments

TECHNICAL DATA

• Laser data:	
◦ laser device class	3B
◦ treatment timer	1s-99min
• Ultrasound data:	
◦ ultrasound frequency	1MHz or 3.3MHz
◦ max. mean power	12.5W
◦ pulse frequency	10-150 Hz
◦ work mode	continuous or pulsed
◦ duty factor	5-100%
◦ treatment timer	30s-30min
• Power supply: 1-phase	~230V 10%, 50Hz, 50VA
• Electric safety class	I type B
• Ambient temperature	10°C-40°C
• Relative humidity	up to 85%
• Dimensions	335 x 270 x 125 mm
• Weight	2.5 kg

Laser therapy functions

- Continuous and pulsed work mode
- Repeat dose function
- Built-in laser power meter

Ultrasound therapy functions

- Continuous and pulsed work mode
- Double-frequency treatment heads: 1MHz and 3.3MHz with area of 5cm2 or 1cm^2
- Water-resistant treatment heads
- Sound and visual signal of probe contact with patient

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ULTRASOUND TREATMENT HEADS DATA

TYPE OF TREATMENT HEAD	SU-5	SU-1
therapeutic area	5 cm^2	1,33 cm^2
ultrasound frequency	1 MHz or 3,3 MHz	1 MHz or 3,3 MHz
max. continuous power density	2,5 W/cm^2	2,5 W/cm^2
peak pulse power density	3,0 W/cm^2	3,0 W/cm^2

ACCESSORIES

Standard:

- User's Manual
- spare fuses
- therapy gel
- warning labels

Optional:

- ultrasoud heads:
  - **SU-5**: 5cm^2 / 1MHz or 3.3MHz
  - **SU-1**: 1.33cm^2 / 1MHz or 3.3MHz
- laser probes:
  point probes S-1N, S-2N, S-3N
  cluster probes SP-1, SP-2, SP-3
- laser protective eyewear
- transport bag for control unit and accessories

LASER PROBES DATA

POINT PROBES

PROBE TYPE	S-1N	S-2N	S-3N
wavelength	905 nm	660 nm	808 nm
impulse power	50 W	40 mW	400 mW
mean power	50 mW	40 mW	400 mW
frequency	5-5000Hz	5-9999Hz	5-9999Hz
impulse energy	10 µJ	—	—
impulse width	200ns	—	—

CLUSTER PROBES

PROBE TYPE	SP-1	SP-2		SP-3
wavelength	660 nm	660 nm	808 nm	808 nm
number of diodes	9	5	4	9
single diode power	40 mW	40 mW	160 mW	160 mW
continuous power	360 mW	840 mW		1440 mW
power regulation range	(10-360mW)	(10-840) mW		(10-1440) mW
frequency	5-9999Hz	5-9999Hz		5-9999Hz
treatment area	50cm^2	50cm^2		50cm^2

THERAPEUTIC APPLICATION

Ultrasound therapy may be used for example in treatment of:

- degenerative joint diseases
- pain syndromes
- post-traumatic states, fractures, contusions, sprains
- ulceration, scars, contractures
- inflammatory states
- rheumatic diseases
- neuralgia, neuritis
- chosen internal diseases

CHARACTERISTICS

- Big, color graphic screen (4,3") with touch panel
- User-friendly operation by touch screen and buttons
- Double-frequency treatment heads: 1MHz and 3.3MHz with area of 5cm^2 or 1cm^2
- Continuous and pulsed work mode
- Ergonomic and lightweight treatment heads
- Comfortable applicator holder
- Water-resistant treatment heads
- Smooth regulation of duty factor
- Sound and visual signal of probe contact with patient
- Ready to use programs for typical illnesses
- User's own programs – with easy to use screen keyboard
- Individual adjustment of treatment parameters
- Fan control system for minimizing noise and energy consumption
- Counters of number and time of treatments
- May be used as portable for home treatments

CONTROL UNIT DATA

Ultrasound data:

◦ ultrasound frequency	1MHz or 3.3MHz
◦ max. continuous power	12.5W
◦ pulse frequency	10-150 Hz
◦ work mode	continuous or pulsed
◦ duty factor	5-100%
• Treatment timer	30s-30min
• Power supply: 1-phase	~230V 10%, 50Hz, 50VA
• Electric safety class	I type B
• Ambient temperature	10°C-40°C
• Relative humidity	up to 85%
• Dimensions	335 x 270 x 125 mm
• Weight	2.5 kg

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ULTRASOUND TREATMENT HEADS DATA

TYPE OF TREATMENT HEAD	SU-5	SU-1
therapeutic area	5 cm^2	1,33 cm^2
ultrasound frequency	1 MHz or 3,3 MHz	1 MHz or 3,3 MHz
max. continuous power density	2,5 W/cm^2	2,5 W/cm^2
peak pulse power density	3,0 W/cm^2	3,0 W/cm^2

ERGONOMIC, AESTHETIC AND LIGHTWEIGHT TREATMENT HEADS

ACCESSORIES

Standard:

- User's Manual
- spare fuse
- therapy gel

Optional:

- ultrasoud heads:
  - SU-5: 5cm^2 / 1MHz or 3,3MHz
  - SU-1: 1.33cm^2 / 1MHz or 3,3MHz
- transport bag for control unit and accessories

LASERTRONIC LT-3
BIOSTIMULATING LASER

CHARACTERISTICS

- Big, color graphic screen (4,3”) with touch panel
- User-friendly operation by touch screen and buttons
- Ergonomic and lightweight laser probes
- Modern design of control unit and probes
- Comfortable applicator holder
- Ready to use programs for typical illnesses
- User’s own programs – with easy to use screen keyboard
- Individual adjustment of treatment parameters
- Repeat dose function
- Built-in laser power meter
- Fan control system for minimizing noise and energy consumption
- Counters of number and time of treatments
- May be used as portable for home treatments

THERAPEUTIC APPLICATION

Laser biostimulation may be used for example in treatment of:

- degenerative joint diseases
- rheumatic diseases
- inflammatory states of joints and muscles
- neuralgia, neuritis
- post-traumatic states
- skin diseases

Cluster probe

NEW!

CONTROL UNIT DATA

• treatment timer	1s-99min
• power supply: 1-phase	~230V 10%, 50Hz, 50VA
• electric safety class	I type B
• laser device class	3B
• ambient temperature	10°C-40°C
• relative humidity	up to 85%
• dimensions	335 x 270 x 125 mm
• weight	2.5 kg

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PROBES FOR USE WITH THE DEVICE:

PROBE TYPE	PARAMETERS	WORK MODES
S-1N – IR type	50mW/905nm	pulsed – high intensity impulse (50W)
S-2N – R type	40mW/660nm	continuous and pulsed with power regulation
S-3N - IR type	400mW/808nm	continuous and pulsed with power regulation
SP-1 - R type	360mW/660nm	continuous and pulsed with power regulation
SP-2 – R & IR type	840mW/660mW & 808nm	continuous and pulsed with power regulation
SP-3 - R type	1440mW/808nm	continuous and pulsed with power regulation

LASER PROBES DATA

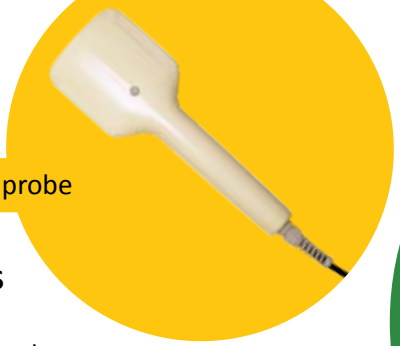
POINT PROBES

PROBE TYPE	S-1N	S-2N	S-3N
wavelength	905 nm	660 nm	808 nm
impulse power	50 W	40 mW	400 mW
mean power	50 mW	40 mW	400 mW
frequency	5-5000Hz	5-9999Hz	5-9999Hz
impulse energy	10 µJ	—	—
impulse width	200ns	—	—

CLUSTER PROBES

PROBE TYPE	SP-1	SP-2		SP-3
wavelength	660 nm	660 nm	808 nm	808 nm
number of diodes	9	5	4	9
single diode power	40 mW	40 mW	160 mW	160 mW
continuous power	360 mW	840 mW		1440 mW
power regulation range	(10-360mW)	(10-840) mW		(10-1440) mW
frequency	5-9999Hz	5-9999Hz		5-9999Hz
treatment area	50cm^2	50cm^2		50cm^2

Cluster probes are provided for treatments of larger areas.
Stand-holder is supplied with cluster probe - for easier usage.



Cluster probe

ACCESSORIES

Standard:
- User's Manual
- spare fuses
- warning labels

Optional:
- laser probes:
  point probes S-1N, S-2N, S-3N
  cluster probes SP-1, SP-2, SP-3
- laser protective eyewear
- transport bag for control unit and accessories

ERGONOMIC, AESTHETIC AND LIGHTWEIGHT LASER PROBES

PROTECTIVE EYEWEAR MAY BE USED WITH CORRECTIVE GLASSES

MULTITRONIC MT-3
UNIVERSAL 2-CHANNEL ELECTROTHERAPY UNIT

Treatments performed with Multitronic MT-3:

- **Interferential**: 4-Pole static (classic), dynamic (isoplanar), interrupted and 2-Pole (premodulated)
- **Diadynamic**: DF, MF, RS, MM, CP, LP, CPiso, LPiso (with adjusted sequence mode)
- **Stimulation of flaccid paresis** (medium frequency currents, modulated with the envelopes: triangle, rectangle, trapezoid and sine – each unipolar and bipolar)
- **Stimulation of spastic paresis** (tonolysis) in two-channel mode
- **TENS**, including so called "irritating modulation"
- **TENS BURST**
- **HV** stimulation (high voltage)
- **Russian stimulation** (Kotz's stimulation)
- **Träbert**'s current (UR) (2-5)
- Faradic and **neofaradic** current
- **Wave modulation** (electrogymnastics) with wide regulation
- **Iontophoresis** and **galvanization**

CHARACTERISTICS:

- Optional customer selected color version
- Ready to use programs for typical illnesses (over 100 items)
- Individual adjustment of treatment parameters
- Memory for up to 50 user defined parameter sets
- Diadynamic currents sequence
- Two treatment circuits (independent intensity adjustment)
- User friendly electro-diagnostics (I/t curve points, automatic calculation of coefficients); last used data is stored in the memory
- Big screen – allows easy readout
- Detection and signalling of breaks in the output circuits
- Wave modulation (electrogymnastics) mode with wide regulation
- Counters of treatment time and number of treatments
- May be used as portable for home treatments

TECHNICAL DATA:

Diadynamic current	
• Mean value for DF	0-30 mA
• Mean value for MF	0-15 mA
• Alteration of MF current for isodynamics	87,5%
Interferential current	
• Current (RMS)	0-60 mA
• Interferential frequency	1-200 Hz
Wave modulation/electrogymnastics	
• Pulse time	0,5-8s
• Break time	1-16s
• Envelope adjustment	0-100%
Stimulation current (medium frequency)	
• Amplitude	0-100 mA
• Pulse amplitude (tonolysis)	0-100 mA
• Pulse width	5-990 ms
• Break time	100-4000 ms
• Delay time (tonolysis)	5-150 ms
TENS, HV current	
• Amplitude	0-100 mA
• Frequency	1-200 Hz
• Pulse width	50-250 µs
KOTZ current	
• Amplitude	0-100 mA
TRÄBERT current	
• Amplitude	0-100 mA
Galvanic current	
• Amplitude	0-50 mA
Power supply	230V / 50Hz / 70VA
Weight of the unit	2.85 kg

Accessories (standard):
Set of electrodes, viscose pads, fixing bands, cables, user's manual.

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THERAPEUTIC APPLICATION OF ELECTRIC CURRENT THERAPY

Electric currents may be used in treatment of (among others):

- Treatment of pain syndromes of motor system
- Degenerative joint diseases
- Peripheral circulation disturbances
- Post-traumatic states: distorsion, soft tissue bruises
- Neuralgia
- Vascular illness
- Periarticular inflammation
- Muscle atrophy
- Nerve paresis
- Poorly healing wounds
- Delayed bone adhesion

They may be also used for:

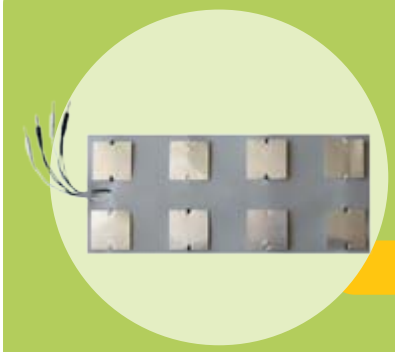
- Muscle stimulation at simple atrophy, paresis, contractures
- Neurological damage stimulation
- Rebuilding muscle tension after injury or operation
- Selective anti–pain treatment
- Increasing muscle strength (in rehabilitation and sport)

ACCESSORIES

Most of our devices may be used as portable for home treatments. We suggest using our bag, which allows comfortable and safe transport of control units and accessories.

Transport bag

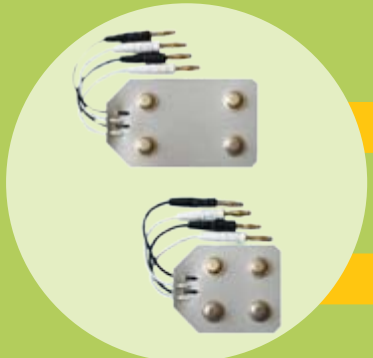
Electrodes



E-8D electrode

E-S 50 electrode

E-S 75 electrode



E-4D electrode

E-4M electrode

Cables

K-4 cable

K-2L cable

Viscose pads

P-50 pad

P-75 pad

Fixing bands

O-R1S band

O-R2 band

INTERDYNAMIC ID-4C
CLASSIC MOVEMENT ACTIVATION STIMULATOR

Interdynamic ID-4C allows the following treatments:
- With interferential current:
  - classic
  - isoplanar
  - interrupted
- Iontophoresis
- Galvanization

ACCESSORIES:
Set of electrodes, viscose pads, fixing bands, cables, user's manual.

TECHNICAL DATA

• Interferential current (RMS)	0-50 mA
• Interferential frequency	1-100 Hz
• Galvanic current	0-20 mA
• Power supply	230V / 50Hz / 50VA
• Weight	2.5 kg

DIATRONIC DT-7B
CLASSIC ANTI-PAIN STIMULATOR

Diatronic DT-7B allows treatments with:
- Diadynamic currents - type DF, MF, RS, MM, CP, LP - with regulated isodynamics balance
- Iontophoresis
- Galvanization

ACCESSORIES:
Set of electrodes, viscose pads, fixing bands, cables, user's manual.

TECHNICAL DATA

• Current intensity:	DF mean power	0-26 mA
	MF mean power	0-13 mA
• MF current change for isodynamics		75-100%
• Galvanic current		0-20 mA
• Power supply		230V / 50Hz / 50VA
• Weight		2.5 kg

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MAGNETRONIC MF-8
MOBILE MAGNETOTHERAPY UNIT

TECHNICAL DATA

• Magnetic field waveforms: sine, rectangle, triangle (each: unipolar or bipolar).	
• MX1 - consecutive change of waveform, with constant frequency	
• MX2 - consecutive change of waveform, with simultaneous alteration of frequency	
• Magnetic field frequency	2-50 Hz
• Magnetic field intensity	
◦ APE-1, AST-2 applicators	0 - 8 mT
◦ AS-204 applicator	0 - 4 mT
• Pulse time/break	0.5 - 8s
• Power supply	230V / 50Hz / 50VA
• Weight	2.5 kg

CHARACTERISTICS
- May be used as portable for home treatments
- 3 lightweight applicators to choose from
- specialized applicators for head area, smaller body parts and limbs
- smooth regulation of AST-2 applicator around head
- magnetic field coils from AST-2 applicator may be used separately after disassembly from the base
- very competitive price in comparison to units with bigger applicators

Examples of AST-2 application
- chronic nasal sinusitis
- maxillary sinusitis and frontal sinusitis
- chronic tonsillitis
- migraine pains
- trigeminal neuralgia
- intra-articularly in interphalangeal joints, metacarpal joint, wrist joint, elbow joint, subtalar joint, ankle joint (treatment for degenerative joint diseases)

OPTIONAL ACCESSORIES:
AST-2 base applicator, APE-1 flat-elastic applicator, AS-204 reel applicator.

Examples of APE-1 application
- local treatment of periarticular soft tissue injuries (bruises, dislocations, sprains)
- degenerative diseases, chronic pains, spondylarthritis, coxarthrosis, and gonarthritis
- treatment of „painful points”

AS-204 applicator allows comfortable treatments on limbs, being of significantly lower weight than similar equipment.

Magnetronic type devices are designed for low frequency magnetic field therapy. Here we present a range of magnetotherapy accessories which may be used with our devices.

Examples of low frequency magnetic field therapy application:

- ortopaedic diseases
- neurologic ilnesses
- circulatory system disturbances
- motor system disfunctions
- nervous system diseases
- strong anti-pain stimulation
- difficulties in wound healing
- headaches, migraines, bronchitis, sinusitis
- prevention of inflammatory states

S-200N applicator's table

S-315N applicator's table

Classic style applicators

AS-200K applicator

AS-315K applicator

AS-600K applicator

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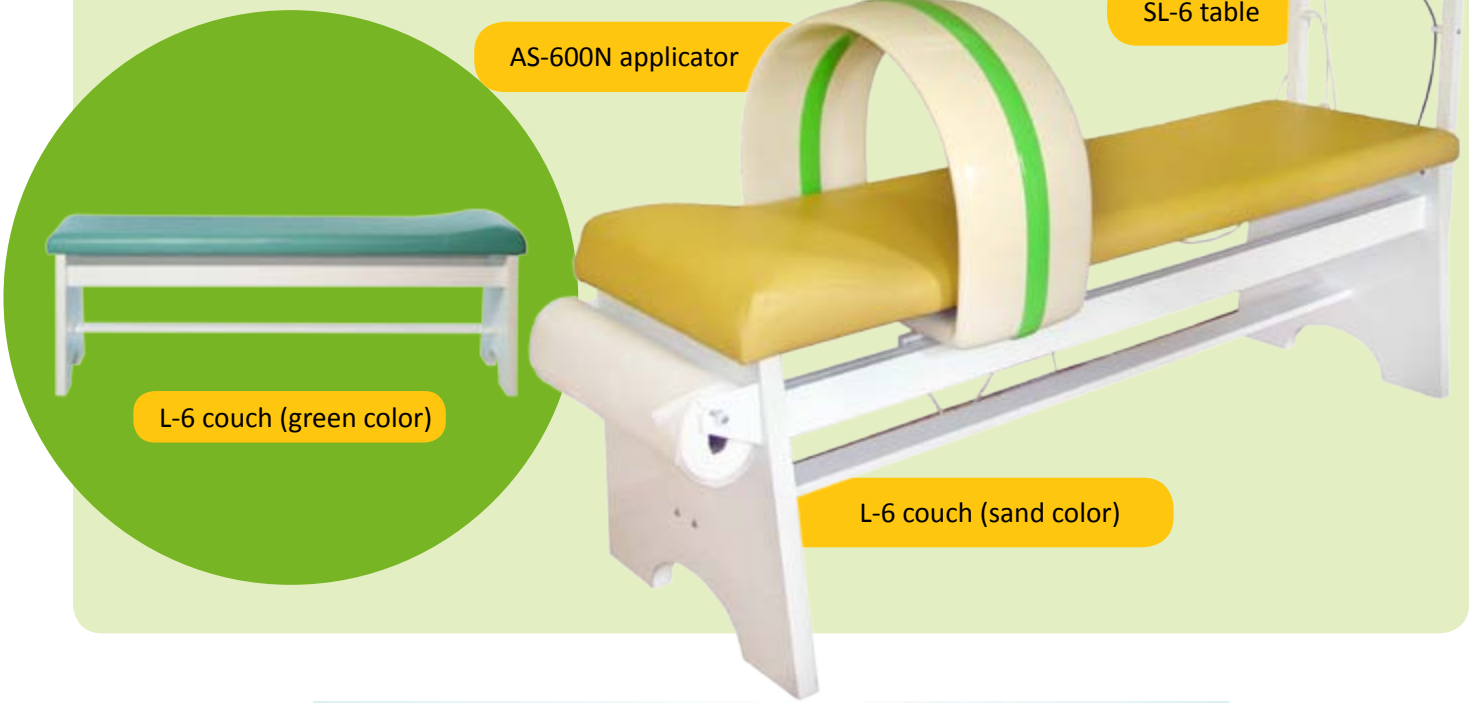
APP-100 applicator

AP-100 applicator

SL-6 table

AS-600N applicator



L-6 couch (green color)

L-6 couch (sand color)

Modern style applicators

AS-200N applicator

AS-315N applicator

AS-600N applicator

MAGNETRONIC MF-24

MULTI-CHANNEL UNIT FOR MAGNETOTHERAPY AND LASER THERAPY

ACCESSORIES (optional): Reel applicators of various dimensions, flat applicators, a patient couch for the big applicator, mobile tables for applicators and control unit, laser probes, protective eyewear (for laser).

OPTIONAL LASER PROBES
- point probes S-1N, S-2N, S-3N
- cluster probes SP-1, SP-2, SP-3

Magnetic field waveforms
- sine, rectangle, triangle (each: unipolar or bipolar)
- MX1 - consecutive change of waveform, with constant frequency
- MX2 - consecutive change of waveform, with simultaneous alteration of frequency

CHARACTERISTICS

Functionality
- **5 treatments simultaneously!**
- The unit has innovative control system, every applicator has its own treatment clock and may be turned on and off independently from others. It allows starting 4 magnetotherapy treatments (2 per channel) and 1 laser therapy treatment (5 treatment clocks in all).
- **2 independent magnetotherapy channels** – with separate parameter setting
- Every magnetotherapy channel has connections for 2 applicators
- **Independent laser therapy channel** – for treatments with laser probe

Aesthetics
- Modern control unit enclosure
- Unique design of applicators
- The whole set makes a magnificent appearance
- Optional color adjustment to one's needs

User friendliness
- Big, color graphic screen (5,7") with touch panel
- Ready to use programs for typical illnesses
- User's own programs – with easy to use screen keyboard
- Personalized adjustment of all treatment parameters in a given channel
- User-friendly operation by touch screen and buttons

Additional advantages
- Wide frequency range of magnetic field: 1 - 100Hz
- Special programs MX1 and MX2 – automatic modulation change
- Low weight of the control unit
- Wide range of power regulation of laser probes
- Automatic applicator type detection

TECHNICAL DATA

• Magnetic field frequency	1-100 Hz
• Magnetic field intensity	0 - 20 mT
• Pulse time/break	0.5 - 8s
• Power supply	230V / 50Hz / 400VA
• Weight	6.2 kg
• Dimensions	364 x 335 x 142 [mm]

EiE POLAND
Tel. 0048 22 7100839, www.eie.com.pl

MAGNETRONIC MF-12
MODERN MAGNETOTHERAPY UNIT

CHARACTERISTICS

Functionality

- **2 treatments simultaneously.** The unit has innovative control system, each applicator has its own treatment clock and may be turned on and off independently from the other. It allows starting 2 magnetotherapy treatments independent in time – with the same treatment parameters (1 channel).
- **Connections for 2 applicators**

Aesthetics

- Modern control unit enclosure
- Unique design of applicators
- The whole set makes a magnificent appearance
- Optional color adjustment to one's needs

User friendliness

- Big, color graphic screen (4,3") with touch panel
- Ready to use programs for typical illnesses
- User's own programs – with easy to use screen keyboard
- Personalized adjustment of all treatment parameters
- User-friendly operation by touch screen and buttons.

Additional advantages

- Wide frequency range of magnetic field: 1 - 100Hz
- Special programs MX1 and MX2 – automatic modulation change
- Low weight of the control unit
- Automatic applicator type detection

ACCESSORIES (optional): Reel applicators of various dimensions, flat applicators, a patient couch for the big applicator, mobile tables for applicators and control unit.

Magnetic field waveforms

- sine, rectangle, triangle (each: unipolar or bipolar)
- MX1 - consecutive change of waveform, with constant frequency
- MX2 - consecutive change of waveform, with simultaneous alteration of frequency

TECHNICAL DATA

• Magnetic field frequency	1-100 Hz
• Magnetic field intensity	0 - 20 mT
• Pulse time/break	0.5 - 8s
• Power supply	230V / 50Hz / 200VA
• Weight	4.4 kg
• Dimensions	335 x 270 x 125 [mm]

Advantages of dry baths in CO_2 in comparison to traditional hydrotherapy baths

- treatments are possible without undressing the patient
- much lower gas usage
- shortening of treatment preparation time (no filling and emptying of the bathtube)
- easier installation (no water supply installation is needed)
- more effective therapy for chosen applications

CHARACTERISTICS

- fully automated treatment
- effective and fast sealing of treatment chamber
- automated refilling of CO_2 and circulation of gas inside treatment chamber allows stable and high gas concentration in treatment area.
- automated humidation of CO_2 increases efficiency of treatment since the start
- gas temperature may be regulated from 30°C to 40°C (+/- 1°)
- sound signal after end of treatment
- controlled piping away of CO_2 after end of treatment
- usage of $C0_2$: max. 18l / min.
- mobile bed construction
- regulated position of head support
- dimensions (longitude x width x height) 2150 x 700 x 980 mm
- height of laying level: 590mm
- power supply 230V/50Hz 800VA

CARBObed

MODERN DEVICE FOR DRY BATHS IN CO_2 WHICH ARE A TYPE OF CARBONIC ACID BATHS

Applications of gas baths in CO_2

- rheumatic diseases
- circulatory system illnesses
- circulation disturbances of peripheral arterial vessels
- burns and frostbites
- hypo- and hypertonia
- ulceration of shank
- gangrene: diabetic, arteriosclerotic, angiospastic

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We offer a set of mobile tables for work with our equipment. Tables have unique, nice-looking and ergonomic design and it is easy to keep them clean. They may be moved around fast and easy on solid wheels or may be put in place with brakes.

TABLES FOR MAGNETOTHERAPY APPLICATORS
Tables for work with magnetic field applicators have sturdy, stable construction which makes positioning of body part for treatment much easier than normal. Each table has specially formed support for a limb.

TABLES FOR CONTROL UNITS
We offer mobile tables for control units in two versions: 1- and 2-shelf. 1-shelf version has only the upper shelf with convenient handle for moving the table around and special hooks for hanging of cables between treatments. 2-shelf version has additional lower shelf for another device or accessories. This lower shelf may be assembled at any height and angle, so that second treatment may be easily conducted from the same station or simply for better organization of the workplace.

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