




StimaWELL®
D E E P W A V E S





You care strongly about your patients?

About 80 % of adults suffer from acute or chronic back complaints. Back pain is therefore the second most common reason for consulting a doctor. Especially chronic pain patients often require protracted and multimodal treatment concepts to permanently and effectively deal with back pain.

We have something
against

BACK PAIN !

The patented StimaWELL®120MTRS System is an exceptional therapeutic instrument to support you in treating many different kinds of back complaints.

You count on efficiency in the treatment of your patients?

4 in **1**

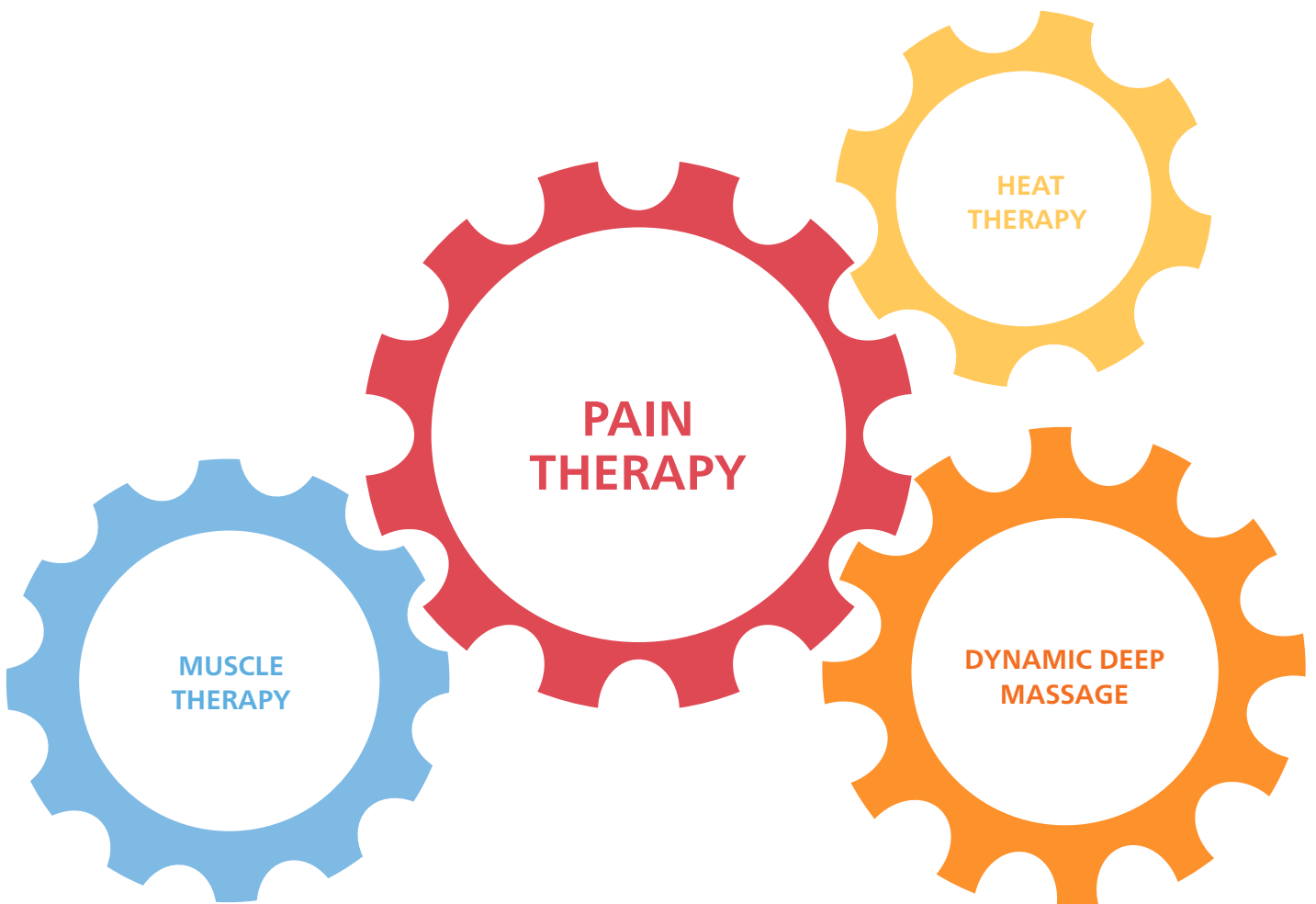
The StimaWELL®120MTRS System combines
4 well-proven therapeutic components:

- » PAIN THERAPY
- » MUSCLE THERAPY
- » DYNAMIC DEEP MASSAGE
- » HEAT THERAPY

With its multidimensional Dynamic Deep Waves, treatment with the StimaWELL® System supports a **causal therapeutic approach** and exerts its effect in a manner **immediately perceived and experienced by the patient**.

At the same time, it is **gentle and with few side effects**.

The particularly **well tolerated mid-frequency impulses** are **modulated** according to individual therapeutic requirements and thereby create a soft and pleasant feeling of stimulation for the patient.





PAIN THERAPY

Only when relatively free from pain are most patients at all able and willing to accept supportive treatment measures for active training of the back muscles.

The StimaWELL® System applies as an important component wide-area TENS impulses (Transcutaneous Electrical Nerve Stimulation) for pain relief - optionally with a local focus or over wide areas of the complex structure of the back.

TENS is a non-medicinal, non-invasive and recognised method of treatment widely used in pain therapy, wand has also proved to be low in side effects and effective. Therapeutic electrical stimulation induces neuromodulatory regulations. The main aims of this therapy are **primary pain reduction, relaxation of muscles with increased tone** and the promotion of muscular blood circulation.

Scientific principles* of Transcutaneous Electrical Nerve Stimulation are segmental spinal pain inhibition according to the modified gate control theory and descending central and spinal pain inhibition.

The StimaWELL® System offers all the modalities of TENS:

- » **High-frequency TENS**
(incl. 3 KHz, modulation with 100 Hz)
- » **Low-frequency TENS**
(incl. 3 KHz, modulation with 2 Hz)
- » **Combined stimulation acc. to HAN**
(incl. 2 KHz, modulation alternating with 100 Hz and 2Hz)



MUSCLE THERAPY

Lack of fitness, loss of strength and dysbalances of the spinal muscles are often the main causes of back pain.

With the muscle therapy programs of the StimaWELL® System you support your patients with the relaxation and build-up of functionally disturbed back muscles and with the permanent maintenance of physiological muscular conditions.

The individual programs in the **muscle therapy** segment can be used in a specific and combined manner for the respective functional status.

The StimaWELL® System supports comprehensive muscle treatment strategies:

- » **Muscle relaxation of hypertonic muscle fibres**
(incl. 3 KHz, modulation with 2 Hz)
- » **Tonic muscle stimulation of the low-fatigue type 1 muscle fibres**
(incl. 3 KHz, modulation with 4 Hz)
- » **Phasic muscle stimulation of the type 2 muscle fibres responsible for rapid strength**
(incl. 3 KHz, modulation with 50 Hz)
- » **Combined muscle stimulation - tonic and phasic**
(incl. 3 KHz, modulation alternating with 4 Hz and 50 Hz)



DYNAMIC DEEP MASSAGE

Health and well-being are closely related. With the innovative Dynamic Deep Waves, the StimaWELL® System induces invigorating stimulatory experiences perceived by your patients as **tapping massages, kneading massages, intensive massages** and many others which are hardly distinguishable from manual applications.

At the same time, deep muscle activation provides simultaneous build-up of the back muscles.

In this way, the StimaWELL® System combines pleasant relaxation with muscle stimulation in a unique manner.

HEAT THERAPY

Heat therapy is a well-proven adjuvant measure for the treatment of most acute and chronic back complaints.

Heat therapy stimulates the body's own metabolism. The positive effect takes place by promoting oxygen supply and nutrient uptake and the release of breakdown products in heated tissues.

Heat therapy is perceived by most patients as **pleasant, relaxing and invigorating.**



You expect highest functionality with easy, clear operation?

The **StimaWELL® System** with its clearly arranged touch-screen is designed for **easy and intuitive operation**.

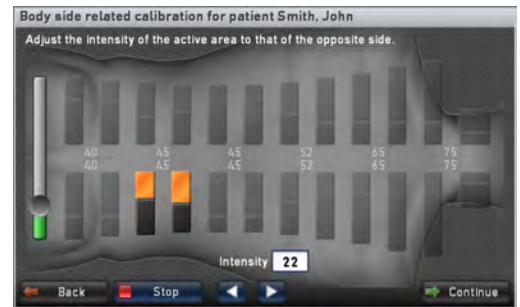
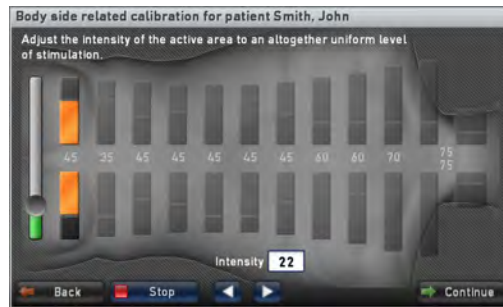
All the instrument's functions are just a fingertip away, allowing every setting to be rapidly made.

Short screen texts guide you comfortably through the individual operations.



INDIVIDUAL ADAPTABILITY FOR MAXIMUM THERAPEUTIC SUCCESSES

The function "calibration" enables you to adapt the StimaWELL® System individually to the **state of your patient's back muscles** and his/her **specific pain symptoms**, allowing access to an optimal therapy.



MEDICAL HISTORY-GUIDED PROGRAM SELECTION

The mode "Automatic Indication-Based Program Selection" enables you to easily find the specific program for an **indication-related therapy** for your patient **based on origin, localisation and severity of the pain** and according to the state of his/her back muscles.

Moreover, by using the mode "Manual Program Selection", the experienced user can make a targeted selection from numerous possible treatment options and combine them into an individual therapy package in "User programs".

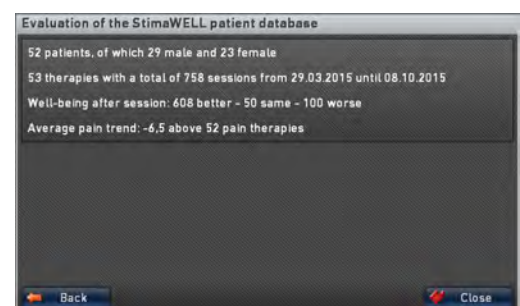


DEMONSTRATION OF TREATMENT SUCCESSES

The mode "Automatic Program Selection" allows you to document in detail how your patient's pain sensation changes during the course of several therapy sessions.

In this way, **therapy successes** can be informatively presented both **graphically** and **in figures by means of statistics**.

Evaluation of the complete patient database can be filtered according to defined criteria, thereby additionally offering you an overall survey of the **efficiency of the therapy in the different patient populations**.

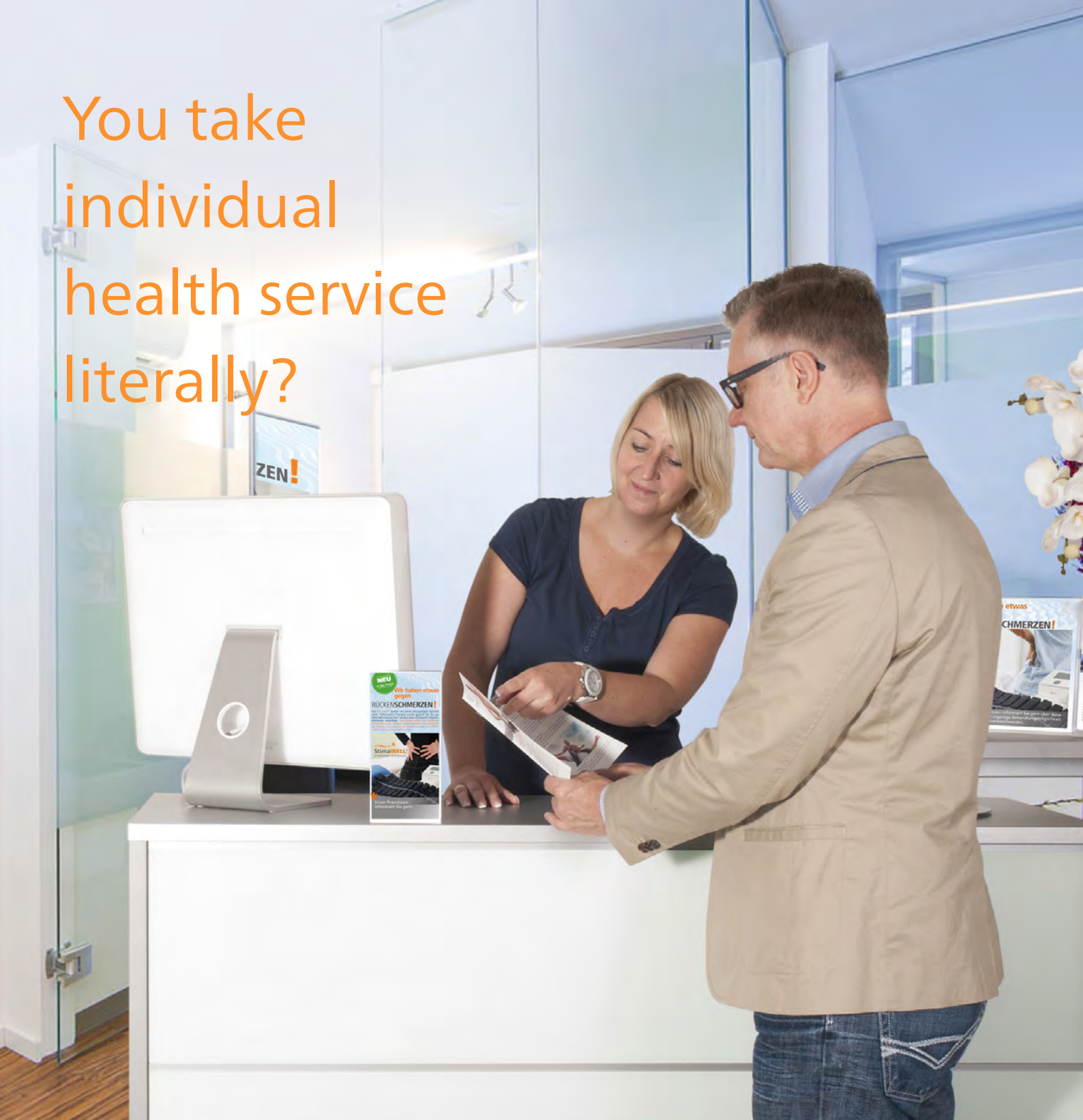


FLEXIBILITY THROUGH MOBILITY

The StimaWELL® System can be variably integrated into the many different structures and processes of your daily practice. Thanks to the **StimaWELL® trolley** it requires little space and can be transferred as required between the individual treatment rooms. This makes your StimaWELL® System **rapid and flexible to use even when space is limited.**



You take individual health service literally?



With the StimaWELL® System you interpret the term “individual health service” literally.

The **individual adaptability** of the system to your patient’s specific pain symptoms and muscular deficits allows a very **patient-oriented therapy** based on **causal treatment** of his/her back complaints.

While the treatment is in progress, your patient already experiences the pleasant deep waves of the StimaWELL® System and enjoys a **feel-good experience** of the special kind.

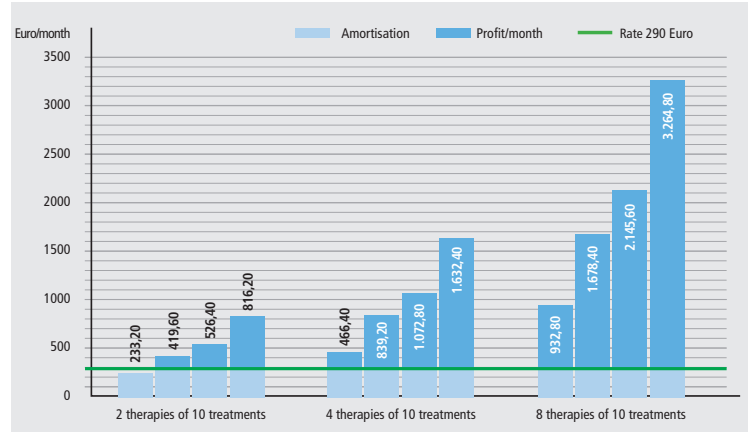
YOUR SATISFIED PATIENTS ARE MULTIPLIERS

The integration of services with high patient acceptance in the range of therapies of your practice or clinic significantly contributes to **your high profile and your success** and to your gaining new patients.

YOUR GOOD SERVICE CAN ALSO BE COST-EFFECTIVE

Medical care and cost consciousness are not opposites. Your patients would be pleased to pay adequate remuneration for a convincing service.

Moreover, **satisfied patients** call upon effective therapies more frequently and bring about **rapid amortisation** of your investments.



FINANCING

The system amortizes itself for you rapidly and risk-free

The duration of one application is 20 – 30 minutes

Usually 10 applications are recommended.

EXAMPLE:

A mean financing rate over a run time of 48-60 months is approx. 290,- to 230 – € monthly

You value technically competent support for successful integration?



We leave nothing to chance.

schwa-medico medical-device advisors naturally accompany you with the successful integration of the StimaWELL® Systems in your range of practice or clinic services

Adapted to your personal goals and taking into account the structure of your facility, you can convince yourself of the **effectiveness and efficiency of the StimaWELL® System** in a **trial project**.

Our entire team will be pleased to be at your disposal during this test phase and at any time thereafter.

MARKETING FOR YOUR PRACTICE OR CLINIC

We have assembled an extensive marketing package to draw your patients' attention to your new range of therapeutic services.

Framed posters and **roll-up posters** draw attention to your StimaWELL® System treatment program in your practice or clinic. **Display stands** and **patient flyers** for the reception or waiting room provide direct patient contact and awaken curiosity about this innovative therapy.

With the **Personal StimaWELL® Treatment Plan** you give your patients the possibility of documenting the course of their painful conditions and gaining an overview of the progress in the therapy cycle.



INDIVIDUAL FINANCING

We will naturally design the investment of your StimaWELL® System to suit your requirements. **Various financing options** are available, which our sales representatives will be pleased to finalise with you.

BENEFIT FROM OUR 40 YEARS' EXPERIENCE!

We will also be pleased to assist you with the successful integration of the StimaWELL® System in your practice or clinic.



schwa-medico
HOLISTIC HEALTH

Your competent partner for pain therapy,
rehabilitation and complementary medicine

*SCIENTIFIC PRINCIPLES

(Excerpts; further studies can be found at: <http://www.schwa-medico.com/en-news/studies/tens-studies.html>)

Pain – an overview

Melzack, R. (1999), Acta Anaesthesiologica Scandinavica, 43; 880–884

Efficacy of electrical nerve stimulation for chronic musculoskeletal pain: A meta-analysis of randomized controlled trials

M. Johnson et al. (2007), Pain 130; 157-165

Effect of the frequency of transcutaneous electrical nerve stimulation on the postoperative opioid analgesic requirement and recovery profile

Hamza MA et al. (1999), Anesthesiology 91; 5:1232-8

Clinical Evaluation of Pain Treatment with Electrostimulation: A Study on TENS in Patients with Different Pain Syndromes

W. Meyler et al. (1994) Clinical Journal of Pain; Volume 10, Issue 1

SCOPE OF SUPPLY/ACCESSORIES

QTY	ARTICLE	ARTICLE NO.
1	StimaWELL® 120 MTRS	200199-G
1	StimaWELL® Stimulation mat	200199-M
1	Remote control StimaWELL®	200208
1	StimaWELL® Admincard	200217
1	Pressure spray bottle	200209
1	Mains cable	450810-0043
1	Cable bracket	200218
1	Instructions for use	101779
1	StimaWELL® cushion	200211
1	StimaWELL® mat underlay	200212
1	StimaWELL® lordosis pillow	200213
1	Paper roll	200219

20	StimaWELL® Card	200216 optional accessory
1	Card reader	200214 optional accessory

TECHNICAL DATA

Operating voltage	100-240 VAC / 50/60 Hz
Maximum current consumption at 100 VAC / RL = 500 Ω	...approx. 1,9 A (incl. heating and stimulation)
Maximum current consumption at 240 VAC / RL = 500 Ω	...approx. 0,9 A (incl. heating and stimulation)
Maximum power consumption	...approx. 200 W
Mains fuse	T 3,15 A H 250 V
Max. output voltage under load RL = 500 Ω	65 Vss
DISPLAY	
Capacitive touchscreen	7 inch TFT
Resolution	800 x 480 Pixel
Number of colours	262K
BASIC FREQUENCY	
Pulse shape	biphasic, symmetrical rectangle
Frequency	2 kHz–6 kHz, deviation < 1%
LOW-FREQUENCY MODULATION	
Pulse shape	biphasic, symmetrical rectangle
Frequency	1–100 Hz
Modulation depth	infinitely variable from 0–100 %
SWELLING MODULATION	
Rise time, working time, descent time	each 0.1–25.5 s
Modulation depth	infinitely variable from 0–100 %
MAT TEMPERATURE	
Basic unit	20 °C to 40 °C in 5 ° steps
Stimulation mat	195 x 285 x 245 mm
Stimulation mat	55 x 420 x 750 mm
WEIGHT	
Basic unit	approx. 5 kg
Stimulation mat	approx. 8,5 kg
WORKING CONDITIONS	
Temperature range	10 °C to 40 °C
Relative atmospheric humidity	30 % to 70 %
STORAGE CONDITIONS	
Relative atmospheric humidity	-10 °C to 55 °C
Relative atmospheric humidity	30 % to 90 %

