

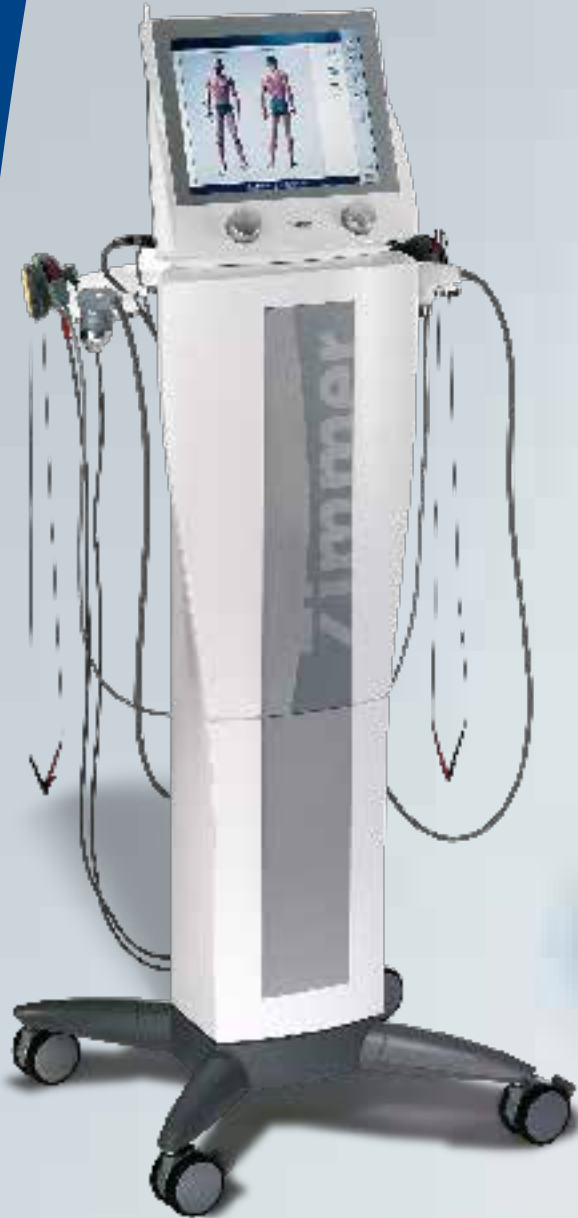
Zimmer
MedizinSysteme



Zimmer

PhySys

Unlimited Therapy at Your Fingertips



PhySys

Innovative 2-channel electrostimulation and multifrequency ultrasound unit. SysCart function cart and Vaco are optional.

Outstanding in design, performance and handling

PhySys

Easy
Elegant
Intuitive
Modern
Clever
Effective



12" Colour Touch Screen

A single touch selects and modifies treatments and parameters. A single view on the colour touch screen provides all necessary information.

Advanced technology, user-friendly, with modern design for the benefit of your patients.

PhySys - effective and comfortable.

Clever

PhySys offers more than a conventional combined unit.

Menu setting: select according to individual preference

Favourites: a second memory for your favourite, individual programmes

Treatment time: can be preset to accommodate the user

2 channels: TwinStim, DuoStim, Inversion, it's so easy..

..and many more clever functions.

PhySys, practical for everyday use.

New Dimension in Ultrasound Therapy

Ultrasound Therapy



The New Ultrasound Therapy

Ultrasound therapy is based on a localised increase in the temperature of deep tissue and on the effect of micro-massage on cell structure. Both features can now be set and dosed individually depending on the indication.

Patent »SonoSwing«

Multifrequency heads provide both frequencies (0.8 MHz and 2.4 MHz) simultaneously in parallel with a selected ratio. The user can therefore determine exactly the treatment depth desired. These features enable the therapist to focus the treatment precisely on his or her plan for achieving pain reduction, or hyperaemia, or for improving restoration processes by increased metabolism.

Combined Treatment

PhySys provides preset programmes related to effects for quick and easy use of the effective combination of ultrasound and electrostimulation.



Electrostimulation Unlimited

Currents and programmes can be accessed through various displays: either via waveforms, or effects or a programme selection as in the Galva 5 model. PhySys provides a wide variety of different programmes for modern electrotherapy.

1 or 2 channels, featuring identical or different programmes in parallel, alternate or individual, with synchronisation or sequences... PhySys offers unlimited possibilities in electrotherapy.

Experience

40 years experience at your service:

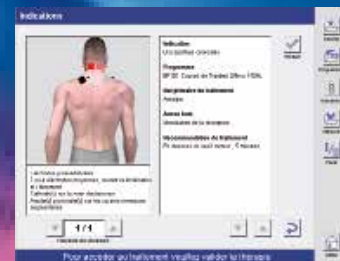
Display of suggested treatments for indications listed alphabetically or by anatomical body scheme, with direct access to therapy.

Patients' Impressions of the Therapy



- Design promotes wellbeing
- High-tech with a human dimension
- Trust in up-to date therapy
- Satisfaction as reference

Some Applications



Pain Therapy

PhySys offers a wide variety of currents ranging from TENS to medium frequency detonation. In addition, ultrasound or classic galvanic currents are available for pain treatment, syndromes and related dysfunctions. For example: head and neck pain, myofascial problems, peripheral and vegetative syndromes, post-operative problems, phantom pain, sore muscles etc.



Muscle Rehabilitation

PhySys has preset exercise programmes for regulating muscle tones, improving muscle function and performance, strengthening slow and fast twitch fibres and increasing muscle endurance. Low frequency currents and medium frequency programmes offer any treatment procedure desired. The 2-channel system accommodates every protocol with its free or set parallel / alternate synchronisation. Anything from general muscle weakness to treatment / diagnostics of peripheral paralysis can be treated.



Metabolic Increase

Electrotherapy and ultrasound are established applications for increasing metabolism and blood flow. In combination with the vacuum therapy device, *VacoP*, PhySys offers every option for achieving the desired results. Preset programmes and set ultrasound / electrotherapy combinations provide highest efficiency and simplify the daily life of a therapist.



Zimmer MedizinSysteme GmbH
 Junkersstraße 9
 D-89231 Neu-Ulm
 Germany
 Tel. +49. 731. 97 61-291
 Fax +49. 731. 97 61-299
 export@zimmer.de
 www.zimmer.de

PhySys

Electrostimulation

Channels	2, completely independent (Intensity and Parameters)
2-channels synchronisation	Parallel, alternate (agonist-antagonist), separate
Channel selection	MonoStim: 1 programme > 1 channel TwinStim: 1 programme > 2 channels DuoStim: 2 different programmes > 2 channels
Internal channel inversion	in DuoStim
Sequence programmes	with 3 sequences: warm-up / training / stretching
Waveforms	Galv., DD, LF, biphasic, MF, MF/LF, interferential, etc.
Programme selection	Effects / Waveform-group / analogue Galva 5 / mixed
Number of programmes	More than 100 specific programmes
Current Distribution	Constant current (CC) / constant voltage (CV)
Galvanic baseline	0%, 20%, 50%, at choice
Change of polarity	Manual / automatic
Pulse Trains	All parameters adjustable
Memory / Update	SD-card (4GB) for indication menu memory Free memory entries: therapy 120 / diagnostic 120 / favourites 120 Error log / Firmware-Update
Naming of memory	Automatic and / or by keyboard
Specific modules	Diagnostic and therapy of paralysis Muscle rehabilitation Sport rehabilitation
Application protocols	By keyboard or by body parts, as desired

Ultrasound therapy

Frequencies	0,8 MHz: deep effect / 2,4 MHz: superficial effect
Ultrasound heads	Multifrequency heads 5 cm ² and 1 cm ² (optional)
Number of programmes	9 programmes with specific effects, one free programme
Maximum power emission	3 W/cm ² for 5 cm ² head
Set of treatment depth	Yes, patent pending
Choice of desired effect	Yes, patent pending Thermal and/or mechanical as desired
Coupling	Audio and 2 colours optical

Combined Treatment

Programmes	Ultrasound + electrostimulation 5 specific programmes
Specific effects	Hyperaemia, metabolism stimulation, pain control, muscle relaxation, trigger point treatment
Current distribution	Constant voltage automatic

Options / Accessories

SysCart

Function cart	mobile with 2 racks and ergonomic accessory holder
---------------	--

VacoP**

VacoP	Only in combination with SysCart function cart
Application	Continuous / pulsed
Vacuum Strength	1 to 60 kPa, preset value for easy application
Setting	Adjustable and memorized
Electrodes	4 x 9 cm diameter and 4 x 6 cm diameter

Swivel base*

For the use on table or cart

Remote Control

Wireless

Technical Datas

PhySys without SysCart	L 350 x P 220 x H 300 mm
PhySys with SysCart	L 600 x P 550 x H 1390 mm
Colour Touch-screen	12.1" / 30 cm diag. / VGA 800 x 600
Certification	CE 0123 / ISO 13485