

DEEP OSCILLATION®

Unique, non-invasive, atraumatic therapy technique with significant pain relieving, muscle relaxation and mobility promotion effects





DEEP OSCILLATION®

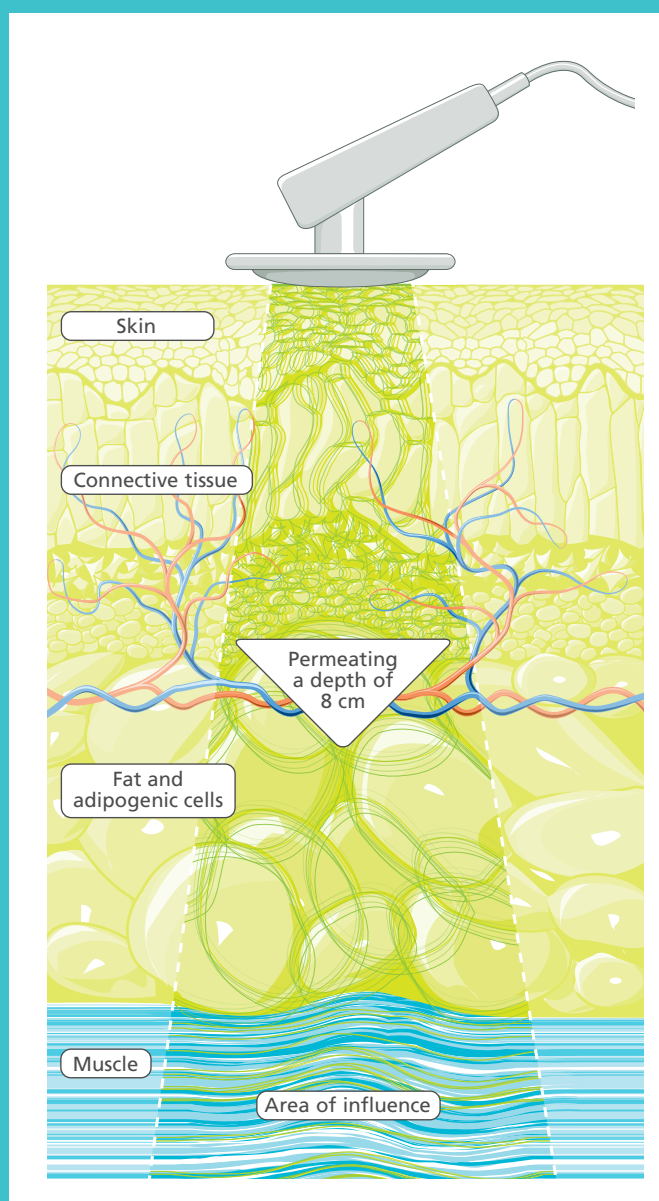
DEEP OSCILLATION® is a unique international patented non-invasive, non-traumatic therapy method. Its special structure allows you to create biologically effective oscillations in the treated tissue using electrostatic attraction and friction. In contrast to other therapies, these pleasant oscillations have a gentle and deep-acting effect on all tissue components (skin, connective tissue, subcutaneous fat, muscles, blood and lymph vessels).

For the treatment, the patient holds a titanium neutral element loosely between the fingers. The pleasant therapy effect of deep oscillation is created beneath special gloves of the therapist or a specially designed hand applicator (second contact) circling over the tissue.

The following effects of DEEP OSCILLATION® are clinically proven:

- » High pain-reducing potential (both for acute traumatic and chronic pain syndromes)
- » Prevention and reduction of secondary and primary lymphoedema
- » Muscles are relaxed
- » Alleviation of pain is enhanced
- » Mobility is promoted
- » Preventive fibrotic conversion processes, fibrosis reduction
- » Muscular relaxation, movement-promoting effect, mobilization

The exceptionally gentle action, early implementation and specific clinical effects make DEEP OSCILLATION® a unique therapy option, which is being used increasingly in medical fields that are not typically focused on by conventional physical therapies.



Fields of application of DEEP OSCILLATION®:

PRE- AND POSTOPERATIVE THERAPY

With deep oscillation, oedemas and haematomas can be relieved pre- and postoperatively considerably faster than with conventional therapies. Because it can be used at an extremely early stage, wound healing is stimulated and accelerated, local inflammation processes are inhibited and pain is significantly reduced over a sustained period. Scar quality is improved. deep oscillation is therefore frequently used as a routine adjuvant post-operative therapy, for instance in oncology, neurology and traumatology. Due to its very gentle therapeutic effect it is used as a first line therapy for conditions after e.g. mastectomy, Caesarean section, osteosynthesis, endoprosthesis etc.

LYMPHOEDEMA

Use of deep oscillation reduces volume in the case of primary and secondary lymphoedema. The therapy is also increasingly used with success for lipoedema. deep oscillation has a preventive and anti-fibrotic effect: incipient fibrosis in particular can be treated effectively. Skin conditions and lymphatic drainage are improved.

MECHANICAL TRAUMA AND DAMAGE FROM OVERSTRAINING

In the case of trauma and damage from overstraining, deep oscillation has a direct oedema- and pain-reducing effect and consecutively stimulates self-mobilisation in pain-relieved areas, thus enabling an early return to active life. For sportspersons it means an earlier commencement of active forms of therapy and training, for 'normal' patients a swifter return to activities in daily life.

TRAINING AFTERCARE AND PERFORMANCE STABILIZATION IN SPORT

In training aftercare, deep oscillation is known for its rapid, muscle-relaxing and pain-relieving effects, and for its direct effect against microtrauma (muscle aches). Roughage and cell remains are removed more quickly through the treatment. This promotes a more effective nutritional supply to the muscle cells, thus accelerating the restoration to optimal performance. Regeneration times in the systematic training process can thus be reduced.

CHRONIC PAIN SYNDROMES

In indications such as fibromyalgia syndrome, Sudeck's dystrophy etc., which are accompanied by chronic pain, deep oscillation has a strong pain relieving effect, which often allows for a reduction of medicine intake. The treatment promotes mobilization to a great extent, alleviates muscle stiffness and tackles impairments in activities of daily life, with consequent positive effect on fatigue, fears and depression.

Deep oscillation is recommended by:

Lymphedema Clinic Wittlinger
www.lymphedema-clinic.com

Center for excellence in lymphedema treatment
Lymphedema rehabilitation center – Treatment
Academy – Training – Research



Wittlinger
Therapie · Reha · Ausbildung



Dr. Vodder
Akademie der Wittlinger Gruppe





DEEP OSCILLATION® Personal (DOP)

Deep oscillation unit for mobile use or to continue treatment at home

NEW



DEEP OSCILLATION® Personal can be used to read and retrieve program sequences previously written on the DEEP OSCILLATION® therapy card with the DEEP OSCILLATION® Evident unit in the clinic. This enables personalised mobile therapy on the ward and continuation of treatment in the patient's home according to the desired specifications. This way you can guarantee the sustainability of your treatments until the next appointment in your clinic or treatment room.

DEEP OSCILLATION® Personal offers a wide selection of pre-programmed treatment parameters, which usually consist of different treatment sections of different frequencies. In addition, DOP allows all parameters to be set manually as required for up to three therapy sequences of a treatment.



SPECIAL FEATURES

CHUDO DEEP OSCILLATION® Personal 02040P-USA-CHUDO

One-channel deep oscillation

Frequency range from 5 – 250 Hz

Contact elements made from biocompatible titanium

- ① Special hand applicators in various sizes for both large or local treatments with easily replaceable treatment membranes for hygienic application (optional accessory)

GENERAL FEATURES

Intuitive PHYSIOMED one-button operation

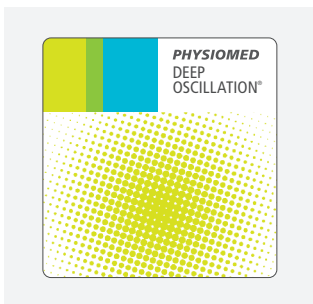
Color monitor

Comprehensive overview of the therapy parameters

Fastest therapy start over preset programs or programmable therapy card

DEEP OSCILLATION® therapy card

Battery-driven



TECHNICAL DATA

Protection class	II, type BF
Input voltage	7.2 VDC
Input current	1.3 ADC
Power supply	1 x 7.2V Li-Ion 24 Wh battery
Output voltage max.	400 Vs
Load impedance	10 MΩ
Output frequency	5 – 250 Hz
Dimensions (W x H x D)	100 x 31 x 190 mm / 3.94" x 1.22" x 7.48"
Weight	0.5 kg / 2.2 lb
Charging device:	
Power connection	100 – 240 VAC
Mains frequency	50 – 60 Hz
Current consumption max.	0.35 A

STANDARD ACCESSORIES CHUDO DOP

- [1] Applicator handhold set, consisting of:
 - 1 Hand applicator set
 - 2 Oscillator-head Ø 5 cm
 - 2 Oscillator-head Ø 9,5 cm
 - 1 Connection cable DEEP OSCILLATION®
- [1] Charging device
- [1] Connection cable DEEP OSCILLATION®
- [1] Connection cable grey for adhesive electrodes
- [1] Operating instructions
- [1] PHYSIOPADS adhesive electrode for DEEP OSCILLATION® (set of 4)
- [1] Powder
- [1] Special gloves size M (100 pcs.)
- [1] Therapy card CHUDO
- [1] Titanium neutral element
- [1] Transportation bag



DEEP OSCILLATION® Evident (DOE)

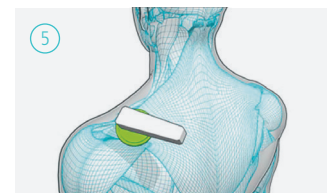
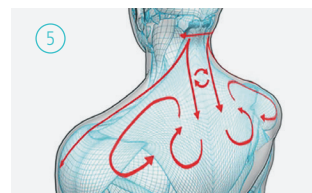
Two-channel deep oscillation unit for professional use

NEW



DEEP OSCILLATION® Evident allows you to begin treatment with maximum speed and ease: direct selection of deep oscillation parameters, over the indication index or program memory. During treatment you have a constant overview of all values and timers. With decades of proven use, the PHYSIOMED one-button operation allows fast intuitive operation in combination with the touch screen.

Deep oscillation characteristics can be adjusted precisely to the desired treatment over the individual setting of frequency (or frequency band), duty cycle, burst function and therapy duration. The extensive indication list with practical information, graphics, animations and patient database with 'potpourri' function additionally ease use.



SPECIAL FEATURES

DEEP OSCILLATION® Evident 01130-USA-CHUDO

Two-channel deep oscillation

Frequency range from 5 – 250 Hz

Individual setting of frequency, frequency bands, duty cycle, duration of therapy and burst function

Contact elements made from biocompatible titanium

- ① Special hand applicators in two sizes for all-over and local treatment

Easily interchangeable treatment membranes guarantee a hygienic application

GENERAL FEATURES

- ② Perfected user guidance through combination of touch screen and PHYSIOMED one-button operation

8" color monitor

- ③ Swivel and tilt mount for optimum monitor alignment at all times

Comprehensive overview of the therapy parameters including all therapy timers

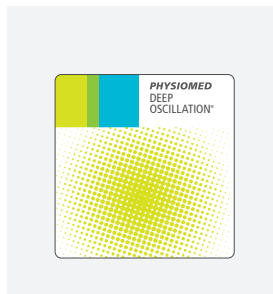
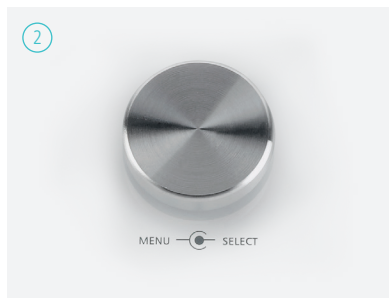
Fastest therapy start: direct, through program memory or indications index

Treatment index with intelligent filtering functions based on body region or per alphabet for quick location of the desired treatment proposal

- ⑤ Extensive therapy and dosage suggestions and detailed animations illustrating treatment, which can be viewed during therapy at the touch of a button

Patient database for max. 100 entries: up to 5 treatment levels can be saved and configured as potpourris per patient

Multifunctional intensity controls with emergency stop function and quick switching between channels



TECHNICAL DATA

Protection class	1, type BF
Power connection	100 – 240 VAC ± 10%
Mains frequency	50 / 60 Hz
Current consumption	0.1 A (at 230 V) or 0.2 A (at 115 V)
Power consumption	20 – 30 VA
Output voltage max.	400 V
Load impedance	10 MΩ
Output frequency	5 – 250 Hz
Dimensions (W x H x D)	260 x 350 x 370 mm / 10.24" x 13.78" x 14.57" (monitor unfolded)
Weight	6.2 kg 13.67 lb

STANDARD ACCESSORIES

- [2] Applicator handholds
- [4] Connection cables DEEP OSCILLATION®
- [1] Connection cable grey for adhesive electrodes
- [1] Mains cable
- [1] Operating instructions
- [2] Oscillator heads ø 5 cm
- [2] Oscillator heads ø 9.5 cm
- [2] Patient leads DEEP OSCILLATION®
- [1] PHYSIOPADS adhesive electrode for DEEP OSCILLATION® (set of 4)
- [1] Powder
- [1] Special gloves size M (100 pcs.)
- [3] Therapy cards CHUDO
- [2] Titanium neutral elements



US 2020-07. Errors excepted. Technical data subject to change without notice.

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WEB

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DEALER MARK / STAMP

CHUDO 

DOP & DOE