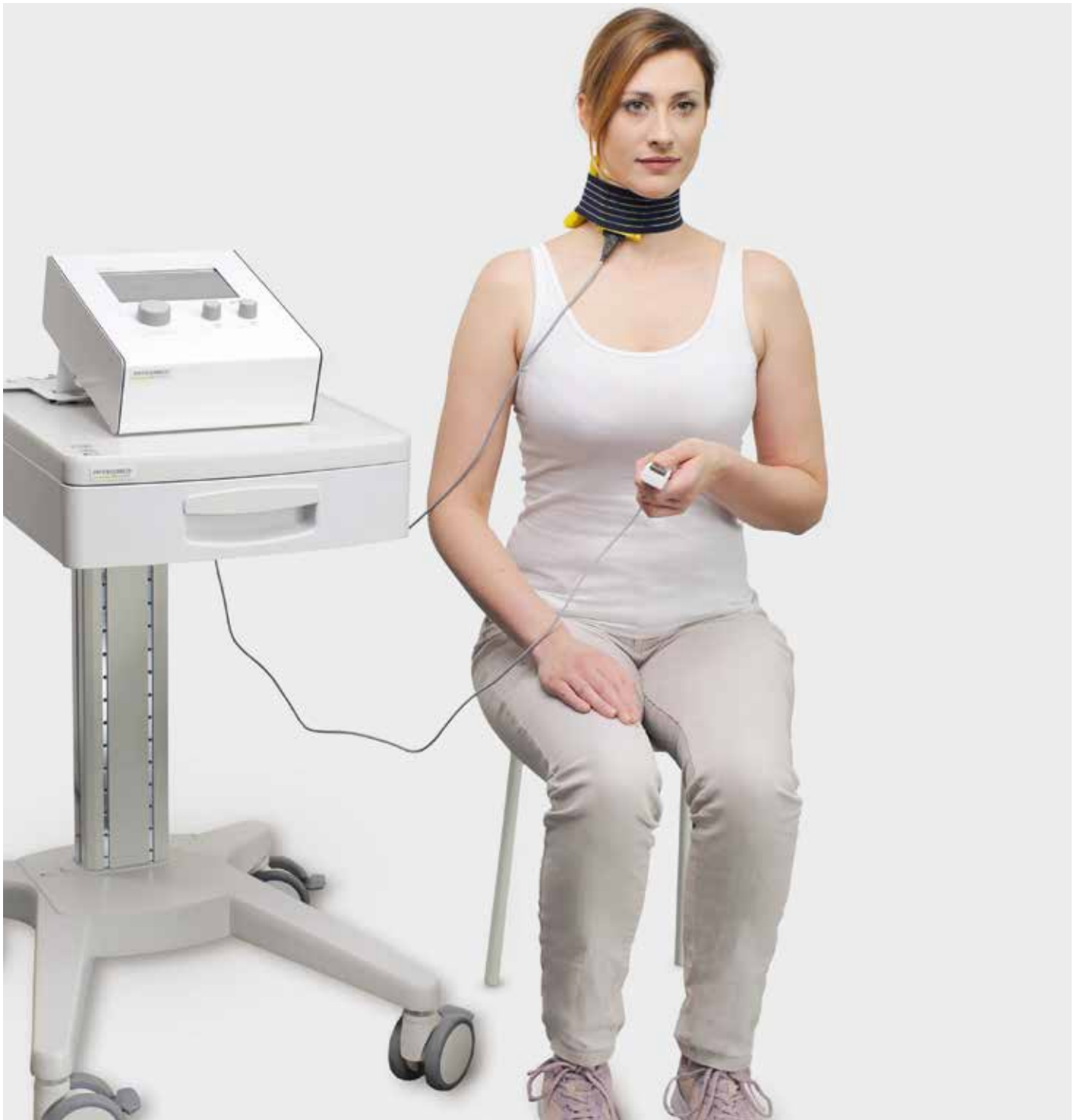


vocaSTIM[®]-Master

For your patients with paresis-related swallowing and voice disorders



TECHNOLOGY FOR THERAPY

PHYSIOMED[®]



NEW - 3rd EDITION

vocaSTIM[®]-Master



vocaSTIM[®] Master Professional electrotherapy and -diagnostics for doctors, therapists and speech therapists

The aim of stimulation current therapy in the treatment of patients with swallowing and voice disorders is to prevent atrophy of the paretic muscle and to accelerate regeneration¹. Swallowing and the musculature responsible for voice formation are assisted by electrostimulation.

Developed for neuro-rehabilitation, ENT doctors and speech therapy

vocaSTIM[®] is suitable both for diagnosis and for therapy and follow-up of laryngeal paresis. In addition, vocaSTIM[®] can also be used successfully for the alleviation of paresis-related swallowing and voice disorders.

The vocaSTIM[®] therapy uses electrical pulses based on natural stimulation patterns to assist the neuro-muscular unit responsible for swallowing and for voice formation.

Protection of the musculature in the event of parasitic images from damaged nerves

Paresis-related inactivity of the musculature can lead to an irreversible degeneration of the musculature. Regular application of vocaSTIM[®] therapy prevents this muscular degeneration. It is precisely at the damaged nerves that a start can then be made on the phoniatric exercises, because the patient can only perform the vocal exercises via the electric innervation of the larynx musculature.

¹ Ptok M, Strack D, Muscle Nerve 38: 1005–1011, 2008



Individually tailored treatment

Therapist or doctor may use a diagnostic program to quantify the degree of damage before the start of treatment with vocaSTIM®. After determining the degree of damage to the patient, the latter is automatically included in the personalised menu navigation. Therapy settings, electrode system and exercises are thereby tailored precisely to the degree of damage determined.

As individual as the needs of your patients

Patient or therapist then trigger the stimulating pulses by means of a hand button precisely at the point that the patient requires this assistance. After preliminary training by the doctor/therapist, the patient can also carry out themselves the tone and vocal exercises tailored to their clinical picture. For the greatest possible regeneration effect, the exercises are flexibly adapted by regular changes in the therapeutic process to the current degree of damage.



Electrode system for unilateral laryngeal paresis

TECHNICAL DATA

IEC 60601-1 / VDE 750 Part1 protection class	I, type: BF
CE marking	as per Medical Devices Directive (93/42 EEC)
Class as per Medical Devices Directive (93/42 EWG)	Ila
Mains supply	100 – 240 VAC ± 10 %
Mains frequency	50 – 60 Hz
Power consumption	120 VA
Current	0.6 A / 1.2 A
Mains fuses	at 100 – 240 VAC: T2AL, 250 V
Dimensions (W x H x D)	315 x 175 x 370 mm
Weight	6.5 kg

PERFORMANCE DATA – STIMULATION

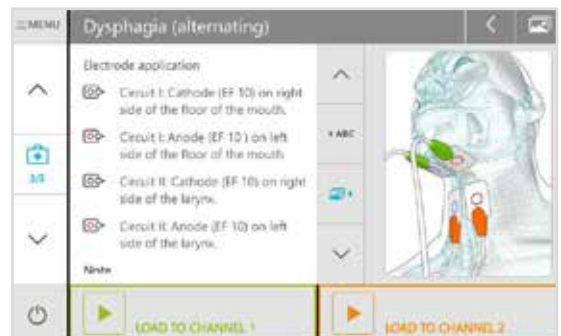
Current form	Output data
G	5 mA / 500 ohm
TENS, UR, IG30, IG50, FM, FaS, T/R, T/R sync, T/R old	15 mA / 500 ohm
medium-frequency current forms (AMF, MT and KOTS)	20 mA / 500 ohm

SPECIAL FEATURES

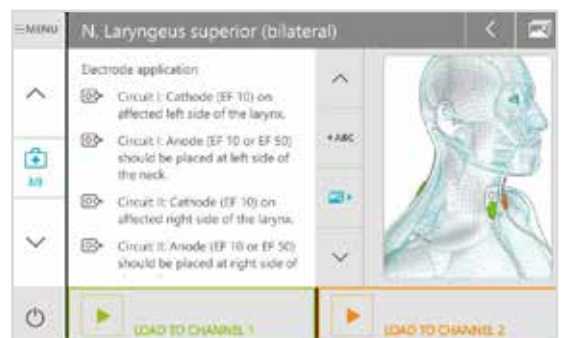
Product features of the vocaSTIM®-Master at a glance:

- Intuitive diagnostic menu
- Comprehensive indications menu with 3D graphics for the electrode system
- Memory and favourites menu for patient-specific training
- Dual-channel technology for deferred stimulation of different nerves and/or muscles
- Footswitch for easier operation of the device during diagnostics
- Therapeutic exercises tailored to the clinical picture and degree of damage
- Audio player built in with vocal- and tonal exercises

New currents for functional natural swallowing movement



T/R old (2-channel dysphagia current developed with the MHH / base of the mouth is stimulated first [CH1] then larynx levator[CH2])



T/R sync (parallel operation of T/R with different intensities / indication: Laryngeus superior Parese bilateral)

STANDARD ACCESSORIES

Item no.	Description	Quantity
00794	Elastic fabric tape	1
02560	Expert hand button	1
00776	Power cable	1
02561	Patient cable	1
00476	EF 50 plate electrode (set of 2)	1
00474	EF 10 plate electrode (set of 2)	1
00435	EF50 viscose bag	2
00433	EF10 viscose bag	2
00628	vocaSTIM® therapy booklet (English)	1
GA02042GB	Instructions for use (English)	1

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DEALER'S STAMP/MARK