evoStim®

Electrostimulation & pressure Biofeedback **P**

Electrostimulation & EMG Biofeedback **E**

Perineal Electrostimulation (PES) **UG**

Analgesic & muscular Electrostimulation (TENS + NMS) **T**



evoStim® P

Electrical stimulation, Biofeedback (Pressure), Evoked (pressure-triggered) stimulation



- *Large LCD with touch-screen*
- *6 quick selection touch-buttons*
- *Pre-set & editable programs*
- *Circular visual feedback*
- *Bar-graph visual feedback*
- *Multi-color back-light*
- *One channel stimulation*
- *One channel biofeedback*
- *Triggered stimulation*

The ***evoStim®*** **P & E** units are unique medical devices, offering professional features at a typical friendliness of equipments for home-care. They are suitable to perform passive treatments (by electrical stimulation), active recover (by biofeedback) and muscular re-learning (by triggered stimulation). The only difference between the models P and E is the biofeedback signal input: the P model is for pressure biofeedback and pressure-triggered stimulation (more suitable for perineal rehabilitation) while the E model is for EMG biofeedback and EMG-triggered stimulation.



The package of ***evoStim®*** P includes a vaginal probe with balloon for pressure biofeedback and electrodes for stimulation.

evoStim® E

Electrical stimulation, Biofeedback (EMG), Evoked (EMG-triggered) stimulation

The evoked stimulation program (EVO), with auto-increasing thresholds, allows performing the EMG-triggered stimulation also called “muscular cognitive relearning”, which is an affective training based both on the voluntary residual contractions of the patient and the benefits of electrical stimulation.



Performing biofeedback with ***evoStim®*** **P & E** is easy, thanks to the pre-set parameters and the self-calibration capability. The visual feedback may be switched between bar-graph and sphincter-graph.

With ***evoStim®*** **E**, electrical stimulation, biofeedback and EMG-triggered stimulation may be applied on external skin areas (by surface electrodes) or in intra-cavitary way (by vaginal or anal probes). The package includes only 4 transcutaneous electrodes, the probe, possibly necessary for perineal treatments, can be chosen in the range of accessories and ordered separately. The electrostimulation with ***evoStim®*** wholly exploit the Intellistim® function: after selecting the therapeutic purpose with one of the quick-selection touch-buttons (URGE-STRE-MIX-PAIN), if you change the frequency, all other time-related parameters will be automatically adjusted. This is equivalent to having an infinite number of electrical stimulation programs stored.

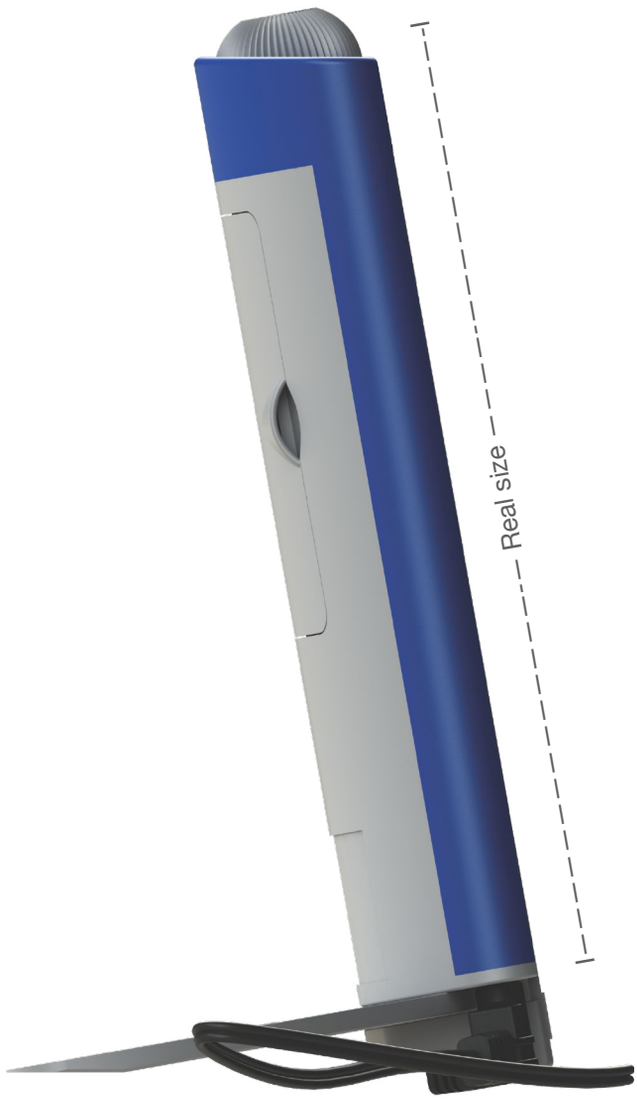
evoStim® T

Dual channel, TENS-NMS electrical stimulation unit for analgesic and muscular treatments



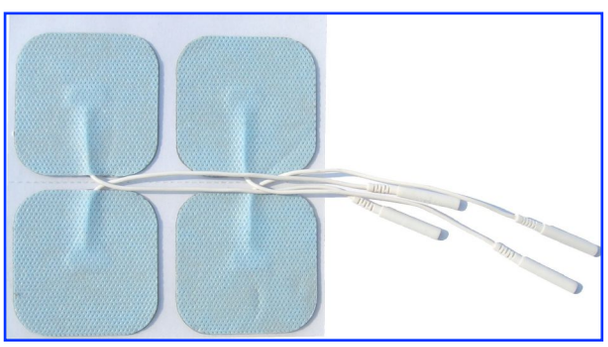
***evoStim*® T** is a dual channel electrical stimulation unit for analgesic (TENS) and muscular treatments (NMS) by self-adhering surface electrodes. The 6 touch-buttons allow to quickly select 4 default modes (CONSTANT-BURST-MODULATE-MUSCULAR) and 2 programs devoted to treat ACUTE and CHRONIC pain. Each one of the 6 touch-buttons may be associated to 9 different editable pre-set programs instead of the default ones. The **T** model ergonomics, as well as the other ***evoStim*®** units, is extensively based on the touch-screen (to enable) and on the upper knob (to switch-ON/OFF, set or adjust the stimulation level or the values of any parameters, start or pause the session). Increase or decrease of the intensity or any other parameter must first be enabled by touching the appropriate area of the touch display.

- *Large LCD with touch-screen*
- *4 default operating modes*
- *2 programs for acute and chronic pain*
- *10 muscular pre-set editable programs*
- *10 editable programs for acute pain*
- *10 editable programs for chronic pain*
- *Intellistim® function on default programs*
- *Two selectable wave-shapes*
- *Lock & doctor-lock function*
- *Multi-color back-light*
- *Open circuit detection*
- *Independent intensity channels*





The package of any ***evoStim®*** units includes a soft bag to safely carry and store them.



The ***evoStim®*** E and T units are supplied with self-adhering electrodes.

evoStim® UG

Dual channel, perineal stimulation unit for incontinence rehabilitation

Perineal rehabilitation professionals know that the electrode arrangement of a perineal probe determines the type of waveform to be used for perineal electrostimulation:

- Biphasic symmetrical pulses, characterised by a dominant effect on one of the electrodes and therefore the most suitable for probes with annular electrode;
- Alternate biphasic impulses, devoid of dominant effects and therefore more suitable for probes with side electrode.



***evoStim* UG** is a dual channel electrical stimulator specifically conceived for perineal stimulation with vaginal or anal probes. The touch-screen and the unique rotating knob offer a friendly interface either for professional use or for home care. ***evoStim* UG** offers a further step ahead to the effectiveness and the comfort of perineal stimulation. The automatic wave-shape, independent for the two channels, according to the type of probe selected (with ring or lateral electrodes), allows to obtain the best comfort and the optimal therapeutic results with any kind of probes on the market. The Intellistim® function on the 5 default programs leaves the user free to change the operating frequency without the hassle to accordingly vary all the other parameters. Up to 9 pre-set editable programs may be associated to each-one of the 5 touch-buttons, instead of the default programs.

- *Large LCD with touch-screen*
- *5 default programs touch-ready under the Intellistim® function*
- *Wave-shape automatic selection*
- *Lock & doctor-lock function*
- *Multi-color back-light*
- *One hand operation*
- *Open circuit detection*
- *Two channels independent as intensity and wave-shape*



Some features of the evoStim UG *unit*

- 5 of the 40 pre-set programs stored, are based on the IntelliSTIM® function, which automatically adjusts the time based parameters (ACTION / REST), when the frequency of the program is changed. This allows any professional user, even without a deep skill of electro-physiology, to prevent any parameters mistakes.
- The 2 output channels and the possibility to separately select biphasic or alternating pulses, allow to use probes of all designs.



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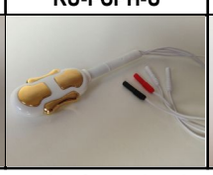
TECHNICAL SPECIFICATIONS

PARAMETER	EVOSTIM-P	EVOSTIM-E	EVOSTIM-UG	EVOSTIM-T
Number of channels	1 stimulation + 1 biofeedback	1 stimulation + 1 biofeedback	2 stimulation	2 stimulation
Supply voltage	4,5V with 3 batteries 1,5V Alkaline AAA (LR03). **Battery life:** 20 hours on average.			
Output current	60mApp on a load of 1000 Ohm. adjustable in steps of 1mA			100mApp
Frequency	1 to 150 Hz (1-2-3-4-5-10-12-14-16-18-20-25-30-35-40-45-50-60-70-80-90-100-110-120-130-140-150) (± 5%)			
Pulse width	adjustable from 50 to 400 µs in steps of 10 (± 5%)			40 to 400 µs
Pulse type	selectable between BIPHASIC SYMMETRICAL and BIPHASIC SYMMETRICAL ALTERNATED.			
RISE time	self-adjustable according to the ACTION frequency		from 0 to 5 sec. in steps of 1 s. (± 1 s.)	
PLATEAU time	from 1 to 60 sec. in steps of 1 s. (± 1 s.)			
FALL time	self-adjustable according to the ACTION frequency		from 0 to 5 sec. in steps of 1 s. (± 1 s.)	
REST time	from 0 to 60 sec. in steps of 1 s. (± 1 s.)			
REST frequency	self-adjustable according to the ACTION frequency		from 0 to 10 Hz. (± 5%)	
SWEEP time	-	-	-	from 1 to 90 sec.
F1/F2 time	-	-	-	from 1 to 90 sec.
Session time	selectable among 15, 30, 45, 60, 90 minutes or Continuous			
Applied parts connectors	protected pins 2mm			
Size & weight	140x70x25 mm - 150 gr. including the batteries			
Environment	15-35°C - 20-80% R.H.			

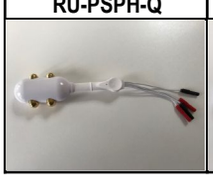
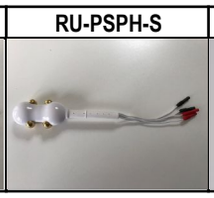
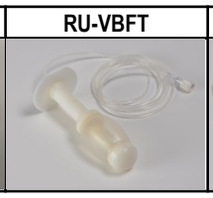
PACKAGE

CODE	DESCRIPTION	P	E	UG	T
EL-EVO-P	Unit evoStim-P, one channel stimulation, one channel biofeedback pressure. Supplied complete with batteries, user manual, connection cable and 1 personal applied part (probe) RU-V2STFW.	✓			
EL-EVO-E	Unit evoStim-E, one channel stimulation, one channel biofeedback EMG. Supplied complete with batteries, user manual, connection cable and 1 personal applied part (surface electrodes).		✓		
EL-EVO-UG	Unit evoStim-UG, dual channel perineal stimulation, complete with batteries, user manual, connection cable and 1 personal applied part (vaginal or anal probe)			✓	
EL-EVO-T	Unit evoStim-T, dual channel analgesic and muscular stimulation (TENS-NMS) complete with batteries, user manual, connection cable and one kit of adhering surface electrodes.				✓
RU-V2STFW	Vaginal probe with 2 ring-shape electrodes + balloon, for perineal stimulation or intra-vaginal air-pressure biofeedback.	✓			
RU-VMINIMA	Vaginal probe with 2 ring-shape electrodes, suitable for perineal stimulation or intra-vaginal EMG biofeedback.			✓	
EL-CMF5050	One bag of 4 adhering surface electrodes suitable to perform electrical stimulation.		✓		✓

Accessories for perineal stimulation and biofeedback

RU-PSPH-O	RU-PSPH-E	RU-PSPH-U	RU-PSPH-H	RU-PSPH-A	RU-PSPH-AT
					

Accessories for perineal stimulation and biofeedback

RU-PSPH-Q	RU-PSPH-S	RU-VBFT	RU-V2STFW	RU-VMINIMA	RU-AANALIS
					

Rev. 2-EN - 12/10/2017

The ***evoStim*** units are medical device class IIa according to the Directive 93/42/CEE a.s.m

Manufactured by ***BEACMED*** **s.r.l.**
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Certified Quality Management System
ISO 9001:2008 - EN ISO 13485:2012

Brochure intended for professional user.

Any change possible without notice

Update 21/06/2018 - **ISO 9001:2015 - EN ISO 13485:2016**