

# DuoBravo

Best quality made by



We are certified according to  
DIN EN ISO 13485

## EMG-triggered stimulation



... the + of performance



- 2-channel device – easy and versatile to use.
- Preset programs for:
  - EMG
  - EMG-triggered stimulation (ETS)
  - Stimulation
  - Combination of EMG, EMG-triggered stimulation and stimulation
- Custom programs for free configuration of EMG-, ETS-, STIM-programs and all combinations
- Threshold-setting can be done automatically or manually
- Automatic threshold adjustment during treatment is possible
- Stand to hold the device during exercises
- Real Time Clock (RTC)
- Memory for storing treatment data
- PC-interface via USB-fiber optic adapter (optional)
- Different versions available
  - U = urology
  - N = neurology
  - U+N = urology + neurology
- CE 0123

### DuoBravo is a versatile device that combines biofeedback and the stimulation of nerves and muscles in one unit.

The term biofeedback refers to a method to perceive biological processes with the help of a technical device – even if these processes are not visible. If the patient tries to perform a movement, neurological impulses are generated that are measured by DuoBravo which is able to trigger electric stimulation. The current finally brings the muscle to contraction. In this way, passive electric stimulation supports muscular exercise.

For a detailed evaluation of treatment software for doctors is available that covers the relevant statistical data and that can be used for graphical presentation as well.

### Technical Data:

- EMG Range: 0,2 to 2000  $\mu\text{V}$  RMS
- Sensitivity: 0,1  $\mu\text{V}$  RMS
- Work/Rest-periods: 2 – 99 seconds
- Number of Trials: 1 – 99
- Waveform: Symmetrical, rectangular, bi-phasic with net zero DC current
- Intensity: 0 – 80 mA
- Frequency: 2 – 100 Hz
- Pulse Width: 50 – 450  $\mu\text{s}$
- Ramp up time: 0,1 – 9,9 seconds

### 1 Set DuoBravo:

- 1 DuoBravo U (REF: 010E-089) or 1 DuoBravo N (REF: 010E-090) or 1 DuoBravo U+N (REF: 010E-093) and
- 2 cables to connect the electrodes or the probe
- 1 cable to connect the reference-electrode
- 8 self-adhesive electrodes (40 x 40 mm)
- 1 carrying case
- 1 operators manual
- 4 batteries size AA
- 1 stand



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