

Neuro-Tox

Easy to operate and use compact device for EMG/STIM-guided injections



Combination of electrical stimulator and EMG recorder in one unit

Localization of medication injection places by means of surface EMG recording or electrical stimulation

Indication of stimulation frequency and amplitude during the operation on the device front panel

Built-in speaker for EMG listening

Device compact size allows to place it in doctor's smock pocket and operate on it using the remote control unit

Touch-proof connectors for electrodes



Applications

Neuro-Tox is widely used in neurology and therapy:

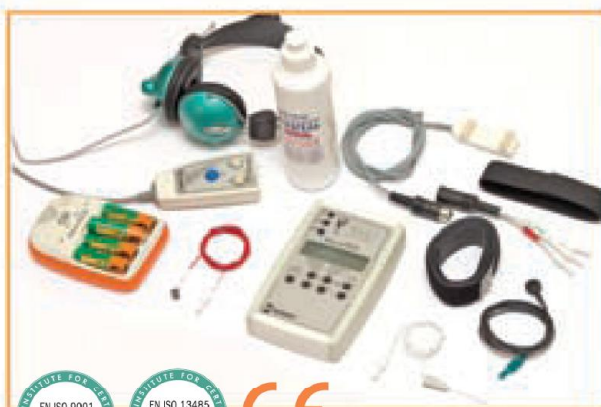
- at elimination of any manifestations of muscle hyperactivity such as dystonia, spasticity, tremor and other hyperkinesias
- at treatment of focal forms of muscle dystonia including blepharospasm, cervical dystonia, spastic dysphonia, mogigraphia, oro-mandibular dystonia, manifestations of idiopathic torsion dystonia, strabismus
- at rehabilitation of patients suffering from cerebral spastic infantile paralysis, multiple sclerosis, consequences of craniocerebral injuries, spinal cord traumas, strokes

Additional applications include myofascial and vertebrogenic pain syndromes, tension headache, primary local hyperhidrosis, hyperfunctional wrinkles



Delivery Set

- Electronic unit
- Remote control unit
- Headphones
- Ground electrode with cable (for adult)
- Bar electrode
- Cup EP electrode with cable
- Disposable needle for botulinum toxin injection
- Charger with rechargeable batteries of AA type (R6) (batteries capacity is not less 2000 mAh)
- Electrode gel (250 g bottle)
- Technical manual



Specifications

Electrical Stimulator

Pulse shape	rectangle
Stimulus duration	180 μ s
Stimulus amplitude	0.1 – 25 mA
Amplitude increase/decrease step	0.1 mA
Stimulus frequency at repetitive stimulation	0.5 – 3 Hz
Frequency increase/decrease step	0.5 Hz

General Specifications and Parameters

Power supply	2 Ni-MH or Ni-Cd rechargeable batteries of AA type (R6)
Continuous working time from rechargeable batteries with 2800 mAh capacity	not less than 24 hours
Electronic unit dimensions	160x98x30 mm
Electronic unit weight	not more than 0.4 kg
Safety	BF type

EMG Amplifier

Gain, max	50000
Bandwidth (at -3 dB level)	20 – 10000 Hz
Noise level (rms)	0.9 μ V
Common-mode rejection	not less than 110 dB
Suppression ratio of power frequency by notch filter	not less than 40 dB
Output acoustic signal power (speaker)	3 W
Amplifier output for headphones	yes



Представител за България
Илан Медицинска Апаратура ООД
 гр. Варна, ул. Кирил Шиваров 9 Б
 тел. 0700 17373, факс 052 612258
 e-mail: office@neurosoft.bg
 www.neurosoft.bg