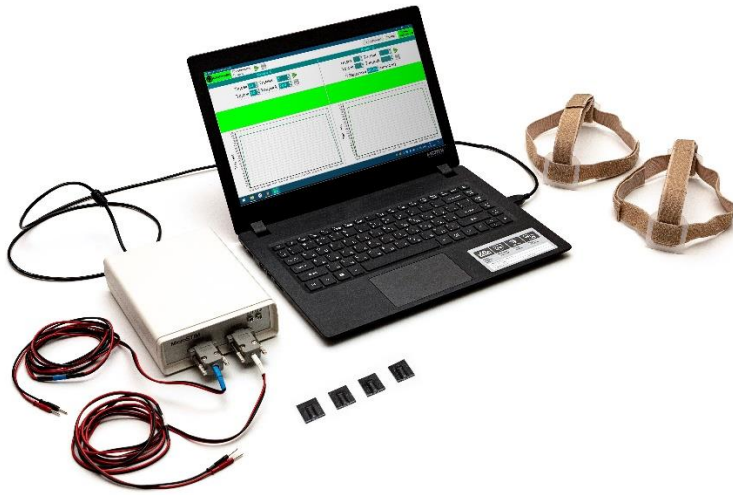


SCIENTIFIC AND MANUFACTURING CENTER 'OGONIOK'

Computer-based system for Transcranial Direct Current Stimulation "MICROSTYM-2"



The system implements a highly effective Transcranial Direct Current Stimulation method (TDCS-method), which allows to change directionally the functional state of various parts of central nervous system. The technique successfully combines the simplicity of traditional physical therapy treatment and selectivity of the stimulating effect on brain structures. It is used to make the treatment of central nervous system diseases more effective, correct the consequences of infectious and traumatic brain injuries and spinal cord, epileptic syndrome,

amblyopia, nystagmus, neurosis, mental and speech development delays.

Indications:

- the central nerves system disorders (such as cerebral palsy, etc.);
- consequences of craniocerebral or spinal cord trauma or infectious diseases of the central nerves system;
- autism;
- neuroses;
- a delay of mental and speech development;
- some forms of epilepsy;
- amblyopia, etc.

During treatment the high muscular tone, expressiveness of vicious poses, pathological tone reflexes and hyperkinesia are decreased, the volume of active movements is increased, the support is improved, and new impellent skills are got.

The MICROSTYM-2 is connected to PC through USB-port and provides impact on various back and brain areas by means of direct current. The number of channels is 2.

The set of delivery:

- Laptop;
- electrostimulation unit;
- set of electrodes;
- communicative cable;
- software;
- manual.