

FOCUS

2-Channel Portable EMG and NCS
System with a Built-in Miniature
Dedicated Keyboard

US-EDITION

- EMG according to international standards
- Instant analysis of high-quality responses
- All-in-one compact and lightweight system
- Integrated stimulators, acquisition channels, display and dedicated controls



Neurosoft

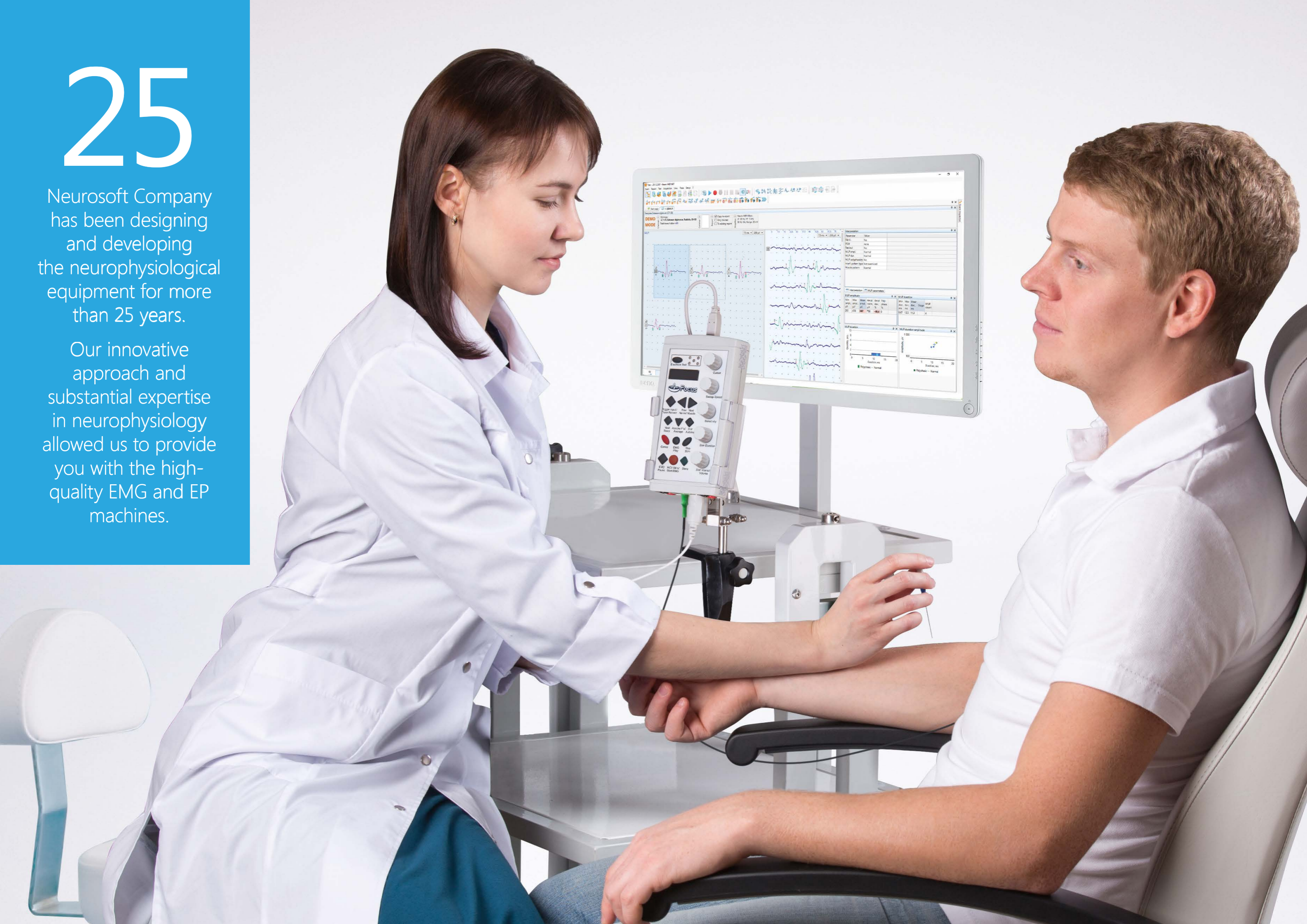


EMG
EP

25

Neurosoft Company has been designing and developing the neurophysiological equipment for more than 25 years.

Our innovative approach and substantial expertise in neurophysiology allowed us to provide you with the high-quality EMG and EP machines.



FOCUS EMG

It combines the exceptional sophistication and simplicity due to advanced features developed in sync with your changing needs. The intuitive interface and well-designed layouts allows you to focus on the essential outcomes of the test.

- NCS
Motor and sensory conduction velocity, F-wave, H-reflex
- EMG
Spontaneous activity, interference curve, motor unit potentials (MUP)
- NEUROMUSCULAR JUNCTION TESTING
Repetitive stimulation, jitter
- MOTOR UNIT NUMBER ESTIMATION (MUNE)
- VISUAL EVOKED POTENTIALS (VEP)*
- AUDITORY EVOKED POTENTIALS (AEP)*
- COGNITIVE EVOKED POTENTIALS (P300)*

* if corresponding equipment is available



1 THE DEDICATED KEYBOARD

is designed to give an easy access to all main actions (to adjust stimulus, start stimulation, add data to analysis, etc.) without changing hand position. All required controls are always at your fingertips.

2 TWO CHANNELS

are optimized to record motor and sensory nerve conduction velocity (CV) and needle EMG tests simultaneously. By default the first channel is intended to plug in the electrodes for M-wave testing, while the second one is meant for electrodes used for sensory nerve conduction velocity during NCS. The mentioned channel configuration allows considerably saving the examination time. Upon motor CV test completion run sensory CV test and the software will run automatically the second test using the second channel.

ACCESSORIES



FOOTSWITCH UNIT



ELECTRICAL STIMULATOR



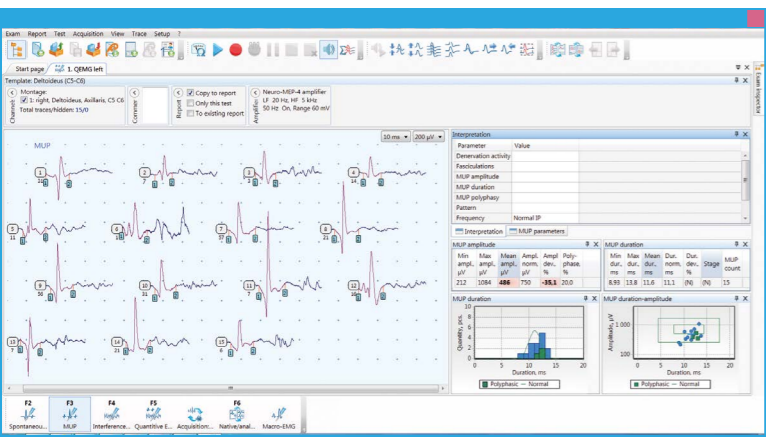
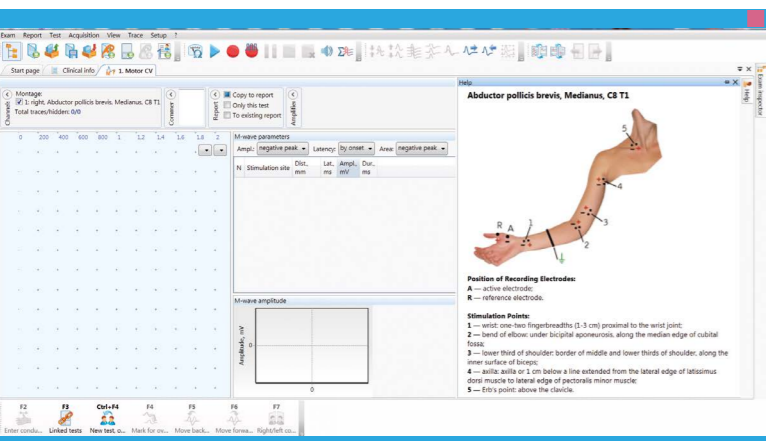
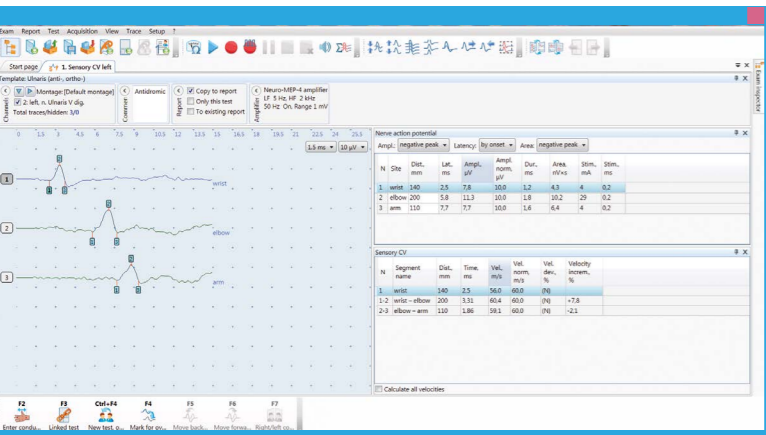
LED GOGGLES (optional)



AUDITORY STIMULATOR (optional)

NEURO-MEP.NET FEATURES

All EMG and EP systems manufactured by Neurosoft are supplied with the state-of-art Neuro-MEP.NET software for NCS, EMG and EP studies.



MOTOR AND SENSORY CONDUCTION STUDY

The software provides dozens of default templates to study motor and sensory conduction in most nerves accessible for stimulation. The simultaneous acquisition of motor and sensory responses is possible. Using hot key you can toggle quickly between motor response acquisition and F-wave recording mode.

HELP WINDOW

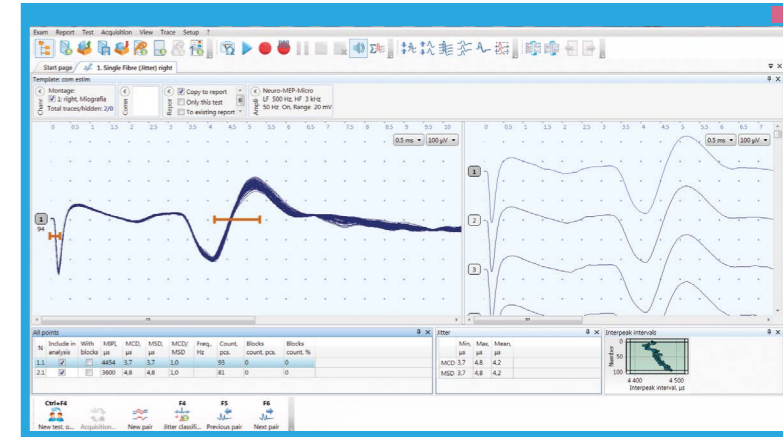
The "Help" function is very useful for EMG beginners. During most of the tests, for example, when radial nerve conduction velocity is studied, you can press F1 key and the program will display a window with an upper limb image showing the correct placement of recording, ground and stimulating electrodes.

QUANTITATIVE EMG (QEMG)

It includes the acquisition and analysis of spontaneous EMG activity, interference pattern and MUP in one test. During spontaneous activity analysis you can apply algorithms of automatic classification of spontaneous activity phenomena such as fibrillations, fasciculations and positive sharp waves. When MUP is recorded, the software automatically detects MUPs and selects the ones that may be related to one and the same motor unit. If interference pattern is studied, the software creates the turn-amplitude cloud in real-time mode. It allows to adjust the required muscle contraction and perform this test correctly. On EMG study completion all main analysis results are displayed in one window.

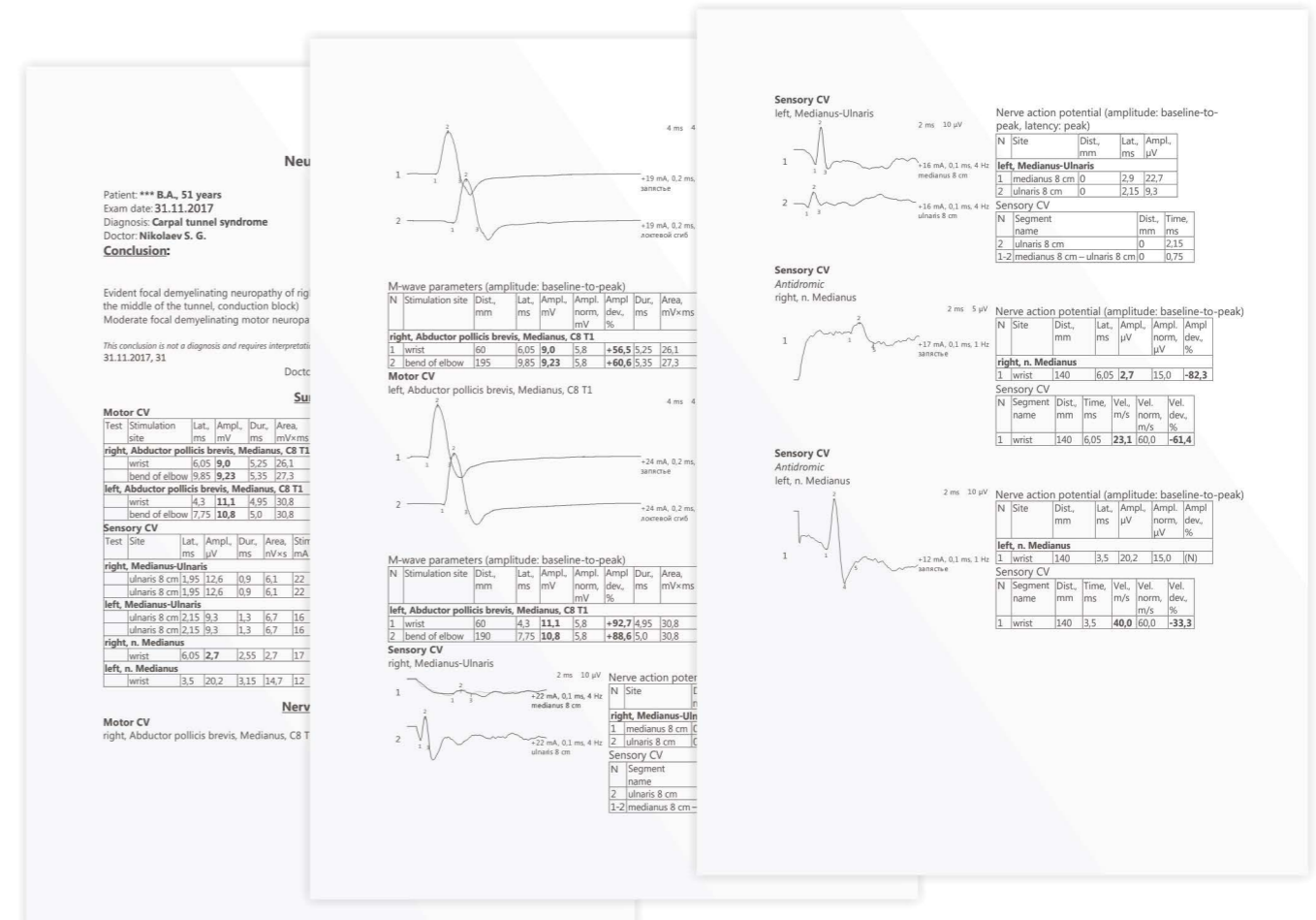
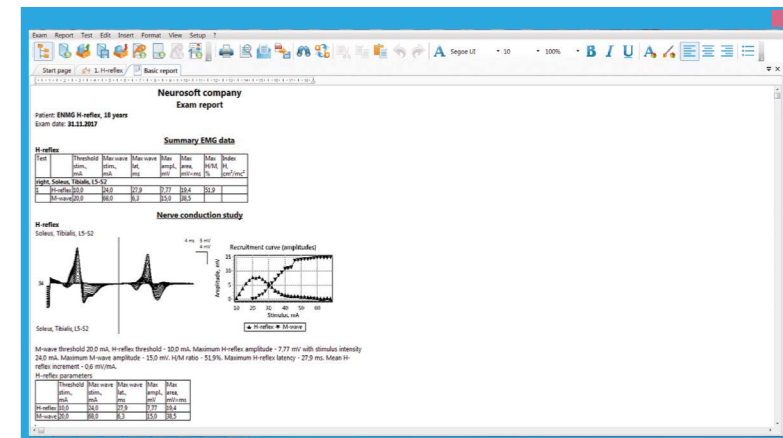
JITTER

The classic procedure of jitter acquisition is quite complex. It implies the simultaneous use of needle electrode, high interaction with a patient to achieve the required muscle contraction and active actions with software interface to set and move the trigger. Neuro-MEP.NET provides the breakthrough algorithm of automatic jitter detection. Now there is no need to think about a trigger. The program just detects the potentials itself and shows them on the screen.



REPORT GENERATION

On study completion the program generates the report. It includes patient's data, tables, graphs and native traces obtained during the tests. The report can be edited easily and customized according to individual demands.



COMPREHENSIVE ASSISTANCE AND TECHNICAL SUPPORT



Our customers can always count on Neurosoft team for extensive support.



Together with digital system you get the detailed technical and user manuals.



We guarantee 24-month warranty for electronic units.



Neurosoft

CAUTION: Federal Law restricts this device to sale by or on the order of a practitioner licensed by the law of the State in which he/she practices to use or order the use of the device.



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www.neurosoft.com, info@neurosoft.com
Phones: +7 4932 24-04-34, +7 4932 95-99-99
Fax: +7 4932 24-04-35
5, Voronin str., Ivanovo, 153032, Russia