

neurosoft.com

MEDICAL EQUIPMENT

for neurophysiology, electrodiagnostics,
audiology and rehabilitation





DEAR COLLEAGUES!

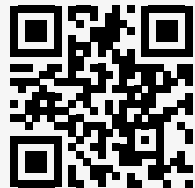
This catalogue brings together very comprehensive descriptions of each product in our extensive product line.

If you have any questions, please visit our website, contact us by email or just call us.

 www.neurosoft.com

 +7 4932 95-99-99

 info@neurosoft.com



U.S. Patent Nos. 4,615,093 and 5,278,634
DBP No. DE3340084C2
European Patent No. 0144717
Other Patents Pending



NEURON-SPECTRUM-61..65

FRONTLINE EEG SYSTEMS

- 11 to 39 referential EEG channels
- 4 to 8 additional channels for EMG, EOG, ECG and other physiological signals
- Multiple options: PSG, EP, long-term video EEG monitoring, BFB, CFM
- Continuous impedance monitoring during acquisition
- Operating mode selection with a button on the front panel (impedance measurement, monitoring of signal quality before the exam, exam recording)
- Color-coded impedance indication at the amplifier inputs
- Innovative hardware and software solutions for excellent signal quality

NEURON-SPECTRUM-5

NEUROPHYSIOLOGICAL LABORATORY

- 32 referential EEG channels
- 9 additional channels for EMG, EOG, ECG and other physiological signals
- Acquisition button on the front panel
- State-of-the-art techniques of mathematical analysis based on machine learning algorithms for EEG signal processing
- EEG, EMG, EP and PSG — all techniques in a single compact unit



EEG AND LTM SYSTEMS

EEG



NEURON-SPECTRUM-1..4/P

EEG SYSTEM SERIES

- Robust and time-tested EEG recorders
- 8 to 21 EEG channels + up to 4 channels to record EMG, ECG, EOG and other physiological signals
- Acquisition and review of EEG in arbitrary monopolar and bipolar montages
- EEG recording in the unshielded room
- Impedance indication on the front panel

NEURON-SPECTRUM-AM

WEARABLE WIRELESS EEG RECORDER

- 21 EEG channels
- Full range of polygraphic channels for PSG studies
- Recording of exams to a memory card and real-time data transfer via Wi-Fi
- Ambulatory EEG recording (up to several days) both in the clinic and at the patient's place
- Long-term video EEG monitoring to detect epileptiform activity

NEURON-SPECTRUM-4/EPM

EXPERT-CLASS EEG SYSTEM

- Perfect solution for EEG, short-latency EP, long-latency EP and EMG
- 21 EEG channels + 9 channels to record any physiological signals from EOG to short-latency EP
- Impedance measurement button on the front panel
- 10 options to expand device functions — from PSG and video EEG monitoring to EMG
- Powerful possibilities for remote monitoring



SYSTEMS FOR PSG AND CRM STUDIES

PSG



NEURON-SPECTRUM-65/PSG

CLINICAL PSG SYSTEM (TYPE I SLEEP MONITOR*)

- Ready-made solution for your PSG lab
- Full range of PSG channels*
- Connection to a portable patient unit
- Synchronous video monitoring
- PAP titration under PSG control
- Advanced analysis tools to speed up PSG data interpretation

NEURON-SPECTRUM-AM/PSG

PORTABLE WIRELESS PSG RECORDER (TYPE I, II, III SLEEP MONITOR*)

- Autonomous PSG with video recording both in the clinic and at home
- Full range of PSG sensors and electrodes
- Recording of exams to a memory card and real-time data transfer via Wi-Fi
- Manual and automatic PSG analysis
- Perfect choice for a private medical clinic or laboratory startup

SNORLEX

NEW

RESPIRATORY POLYGRAPH FOR DIAGNOSTICS OF SLEEP-DISORDERED BREATHING (TYPE III, IV SLEEP MONITOR*)

- Automatic scoring of apnea/hypopnea index (AHI)
- In-home and in-laboratory testing
- Calculation of sleep time based on actigraphy
- Automatic data analysis and report generation
- Up to 25 hours of continuous operation
- Monitoring of CPAP therapy efficacy during sleep

* According to the American Academy of Sleep Medicine (AASM) recommendations



SYSTEMS FOR NCS, EMG, EP AND DIAGNOSTIC TMS

EMG, TMS



LITEBOX

3-CHANNEL NCS, EMG AND EP SYSTEM WITH DEDICATED KEYBOARD

- 3 acquisition channels for the quickest examination ever
- NCS and needle EMG according to international standards
- Electrical stimulator with two switchable outputs
- Innovative circuits for stimulus artifact reduction
- Portable, can be powered by a notebook



SKYBOX

5-CHANNEL NCS, EMG AND EP SYSTEM WITH DEDICATED KEYBOARD

- All you need is within a lightweight, compact case: stimulators, 5 acquisition channels and dedicated controls
- NCS and needle EMG according to international standards
- 2 independent electrical stimulators with 4 outputs
- All EP modalities in the base delivery set
- Portable, can be powered by a notebook



NEURO-MEP

4/8-CHANNEL NCS, EMG AND EP SYSTEM WITH WIRELESS KEYBOARD

- 4- or 8-channel system, expandable up to 16 channels
- Leader in amplification and stimulation technologies
- All EP modalities in the base delivery set
- Modular design



SYSTEMS FOR NCS, EMG, EP AND DIAGNOSTIC TMS

EMG, TMS



NEURO-MEP-MICRO

2-CHANNEL ULTRAPORTABLE EMG AND NCS SYSTEM WITH A BUILT-IN KEYBOARD

- 2 channels are optimised to quickly perform motor and sensory conduction tests and needle EMG
- Portable, can operate with a notebook
- All-in-one: stimulators, acquisition channels, controls and display
- Electrical stimulator with ultra-fast switching between two outputs

NEURO-MS

DIAGNOSTIC MONOPHASIC MAGNETIC STIMULATOR

- Diagnostics of nervous system disorders
- Powerful monophasic pulse
- Extremely low electromagnetic interference
- Configurations for single- and paired-pulse stimulation
- Ergonomic and lightweight coils of different shapes and sizes
- Compatible with most EMG machines



NEURO-MSX

NEW

MAGNETIC STIMULATOR OF THE NEW GENERATION

- Stimulation frequency — up to 100 Hz, theta-burst stimulation (TBS) — up to 2000 Hz
- New generation of cooled coils: enhanced ergonomics with stimulation controls at your fingertips
- Built-in memory for preset protocols
- Theta-burst stimulation

NEURO-MS/D

TRANSCRANIAL MAGNETIC STIMULATOR

- 20 Hz stimulation at 100% intensity
- Advanced liquid cooling technology guarantees continuous operation without coil overheating
- Neuro-MS.NET software with pre-defined treatment protocols

NEUROSTIM

TRANSCRANIAL ELECTRICAL STIMULATOR

- Treatment of a wide range of psychiatric and neurological disorders
- tDCS, tACS, tRNS, tPCS, tDCS-sham, custom waveform
- Continuous monitoring of electrode impedance
- Stimulus amplitude increment — 25 μ A
- Placebo stimulation — tDCS-sham mode
- Intuitive software



IOM SYSTEMS
IOM



NEURO-IOM

MULTIMODAL SYSTEM FOR INTRAOPERATIVE
NEUROPHYSIOLOGICAL MONITORING

- Perfect alliance of lowest-noise signal acquisition and flexible software to streamline your workflow
- Monitoring templates for all types of surgery to start immediately
- Combining more than 10 modalities on one screen to capture critical information
- Wide range of stimulation programs for automatic monitoring
- Perfect MEPs even in complicated conditions with powerful TES and its wide range of pulse waveforms



ELECTRORETINOGRAPHY
ERG



NEURO-ERG

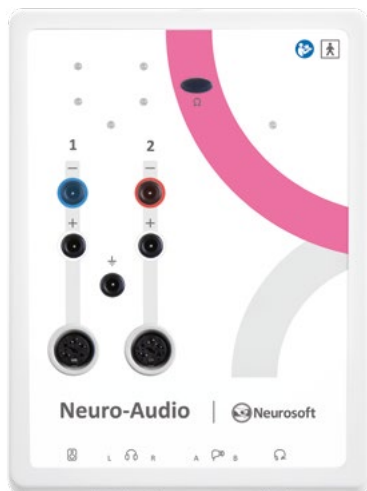
DIGITAL SYSTEM FOR ERG AND VISUAL EP STUDY

- Objective assessment and analysis of retinal function and visual pathways
- Wide range of VEP and ERG techniques, including multifocal ERG, PERG ratio, stepwise sweep VEP, EOG
- Set of specially designed electrodes
- Mini-ganzfeld stimulator
- Penlights with concentrators for focal ERG



AUDITORY EP, OAE, ASSR SYSTEMS AND SCREENERS

AUDIOLOGY



NEURO-AUDIO

2-CHANNEL ABR, OAE, VEMP, ASSR AND ECochG SYSTEM

- High quality of auditory EP and OAE recording
- Multiple options for post-processing of results
- Complete set of techniques, including ECochG, LLR, multi-ASSR and VEMP
- Non-sedated ABR
- Chirp stimulus
- OAE up to 12 kHz

AUDIO-SMART

PORTABLE SYSTEM FOR DIAGNOSTICS AND SCREENING

- Truly portable middle ear analyzer
- 4 frequencies of the probe tone: 226, 678, 800, 1000 Hz
- Hearing screening: OAE and automated ABR (AABR) testing
- ABR test with wave V Jewett marker
- Simple and user-friendly touchscreen interface



AUDITORY EP, OAE, ASSR SYSTEMS AND SCREENERS

AUDIOLOGY



aTYMP

NEW

TYMPANOMETER

- 4 frequencies of the probe tone: 226, 678, 800, 1000 Hz
- Ipsi- and contralateral acoustic reflexes
- Wide range of stimuli for acoustic reflex
- Acoustic reflex testing using cochlear implant stimulation
- Testing of the patients with intact (ETF-1) and perforated tympanic membrane (ETF-2)

aSCREEN

PORTABLE DEVICE FOR HEARING SCREENING

- Hearing screening using TEOAE and DPOAE techniques
- Special noise rejection and accurate calibration technologies
- Mobile terminal with a built-in thermal printer
- Bluetooth communication for data transfer and result printing
- Android compatible



POLY-SPECTRUM-8/EX

WIRELESS 12-CHANNEL DIGITAL EXPERT-CLASS
ECG SYSTEM

- 12-channel ECG with automatic measurement and interpretation
- Portable and wireless
- Mobile application
- Best choice for the exercise stress test and CPET
- HRV, VLP, QT and sphygmogram analysis modules for enhanced functionality

ERGOPOINT

ECG STRESS TEST SYSTEM

- Exercise/stress test with continuous 1- to 12-channel ECG recording
- Wireless ECG transfer — clear ECG traces
- Full battery of exercise test protocols, including ramp protocol
- Real-time monitoring of all test parameters
- Manual and automatic load control

MULTITRAINER

CARDIAC REHABILITATION SYSTEM
WITH BIOFEEDBACK

- Cardiac rehabilitation of up to 16 patients simultaneously
- Wireless transfer of 12-channel ECG — interference-free recording
- Load/HR-controlled training
- Creation of comprehensive rehabilitation programs
- More than 10 different models of ergometers and treadmills are supported



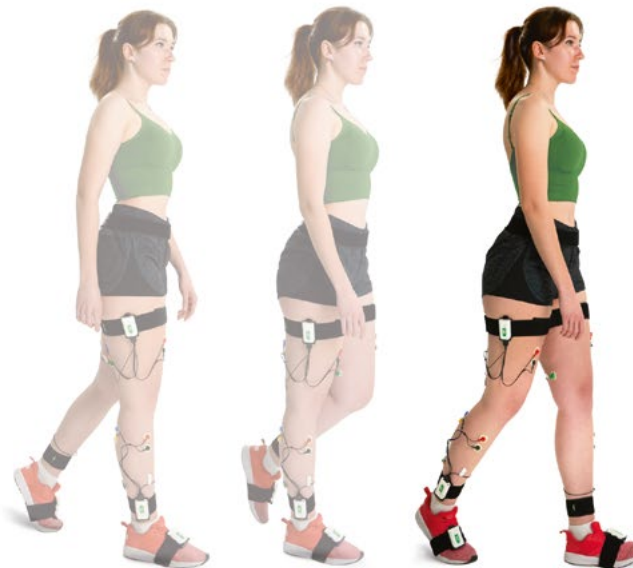
SPIROMETRY

PFT



EQUIPMENT FOR GAIT ANALYSIS AND TRAINING

BIOMECHANICS



SPIRO-SPECTRUM

DIGITAL SPIROMETER WITH EXTRA MEASUREMENT ACCURACY

- High accuracy of lung volume and airflow rate measurement
- Demountable construction of a flowmeter for quick and proper disinfection
- Conformance to ATS/ERS recommendations for accuracy and reproducibility
- Wide range of approved predicted value sets

STEADYS-STEP

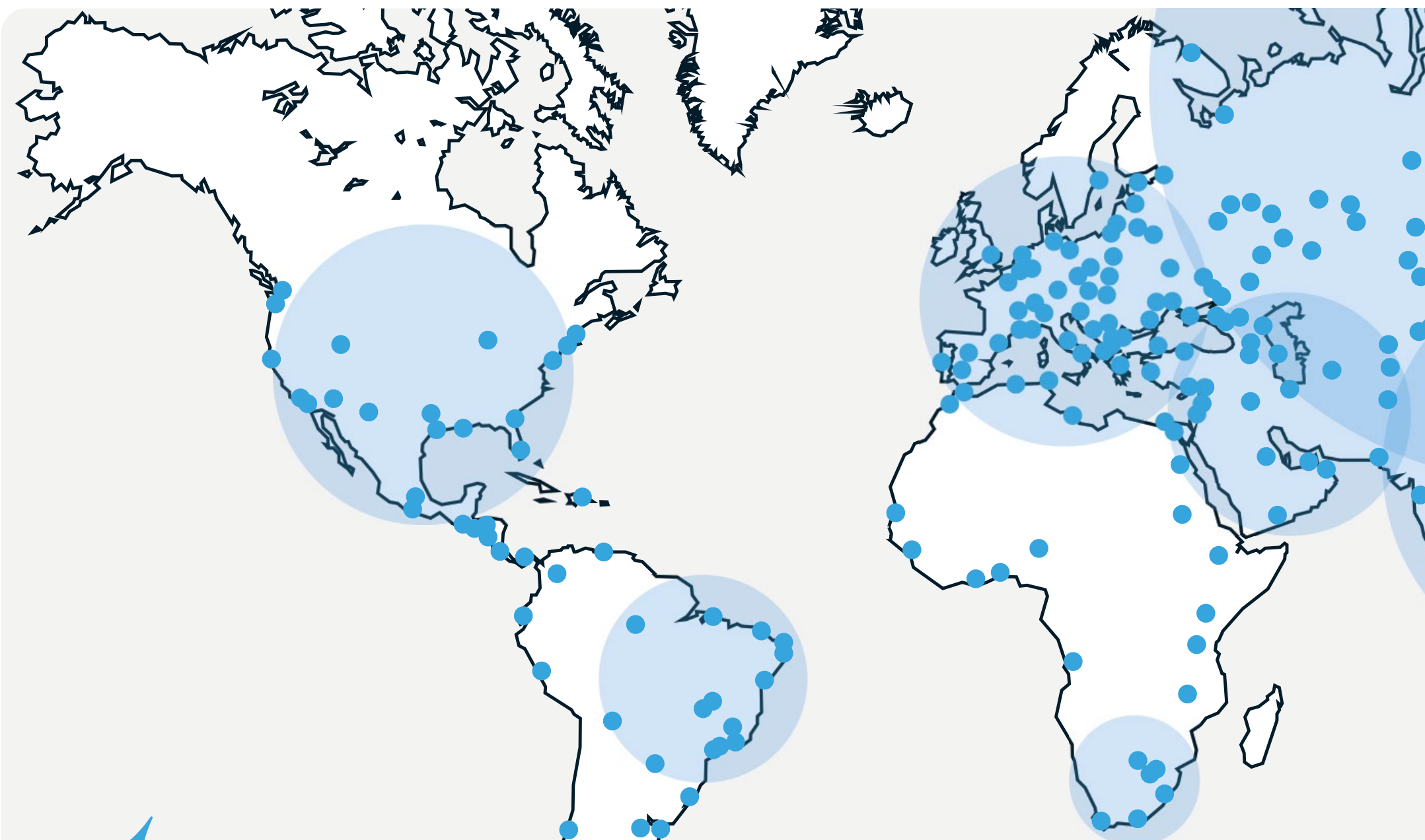
GAIT ANALYSIS AND TRAINING SYSTEM WITH BIOFEEDBACK

GAIT ANALYSIS:

- Comprehensive gait analysis
- 10 minutes for clinical gait analysis
- 3D kinematics and dynamic EMG recording by one sensor
- Interface optimised for clinical use

GAIT TRAINING:

- All-in-one: gait assessment and training system
- Targeted gait rehabilitation using biofeedback technique and motivating virtual gaming environment
- Manual or automatic training modes



EXPANDING WORLD



CHOOSING NEUROSOFT YOU WILL GET



EQUIPMENT

of the international level, used by specialists
in more than 100 countries worldwide



CUSTOMER SUPPORT

available 24/7 with our friendly,
customer-oriented team



WARRANTY

up to 2 years for all electronic devices,
as we stand by our products



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neurosoft.com

SALES DEPARTMENT

☎ +7 4932 95-99-99
✉ info@neurosoft.com

TECHNICAL SUPPORT

☎ +7 4932 59-21-12
✉ help@neurosoft.com
📄 neurosoft.service.centre

Neurosoft LLC
5 Voronin str., Ivanovo,
153032, Russia

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