



MEDICAL EQUIPMENT

FOR ELECTRODIAGNOSTICS, NEUROPHYSIOLOGY,
AUDIOLOGY AND REHABILITATION

ELECTROENCEPHALOGRAPHY

ELECTRONEUROMYOGRAPHY

INTRAOPERATIVE NEUROPHYSIOLOGICAL MONITORING

MAGNETIC STIMULATION

POLYSOMNOGRAPHY

ELECTRORETINOGRAPHY

SPIROMETRY

AUDIOLOGY

GAIT AND MOTION ANALYSIS

CARDIAC REHABILITATION


ELECTROCARDIOGRAPHY


CARDIOVASCULAR REFLEX TESTING

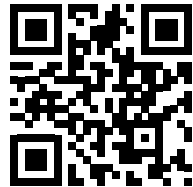
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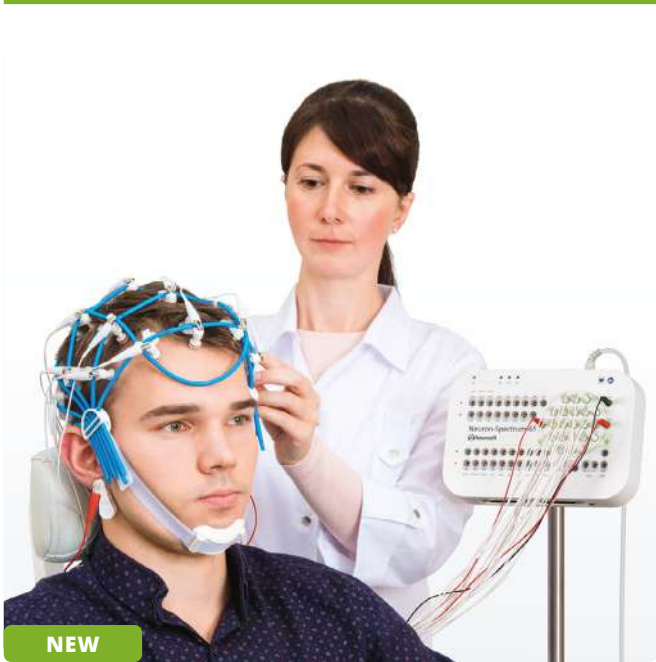
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NEW

NEURON-SPECTRUM-61..65

A NEW LINE OF EEG SYSTEMS

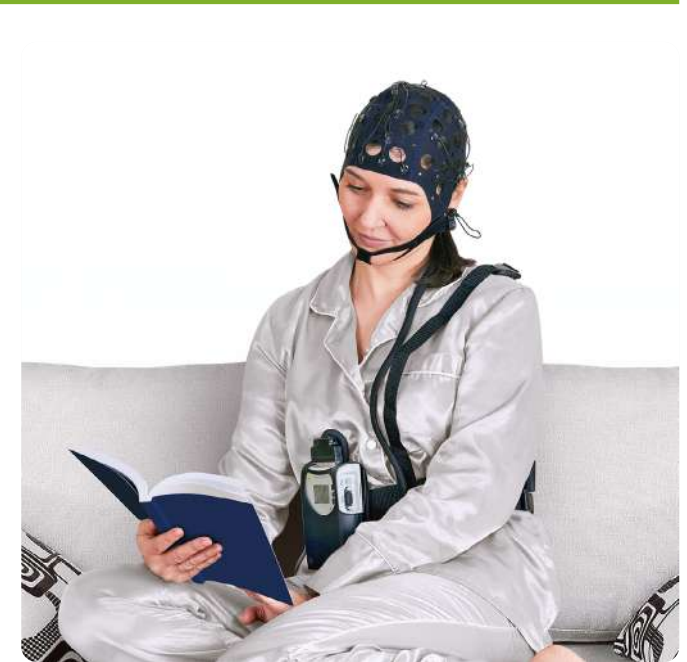
- Continuous impedance monitoring during acquisition
- Electrode impedance indication at the channel inputs
- Referential and differential channels can work both in AC and DC modes
- Mode button and LED mode indicator (impedance/monitoring/acquisition) on the front panel
- Compatible with Neurosoft magnetic stimulators



NEUROMONITOR

CEREBRAL FUNCTION MONITOR WITH TOUCHSCREEN INTERFACE

- Trolley-based system for intensive care units
- Fast and convenient to use by neurologists and neonatologists
- Quickly transformed to full-function 8-32-channel (depending on the amplifier model) EEG system for long-term video EEG monitoring
- Synchronous high-resolution video recording
- Automatic detection of abnormal aEEG patterns
- Motion-triggered video recording



NEURON-SPECTRUM-AM

AMBULATORY WIRELESS EEG RECORDER

- 21 EEG channels
- Saving of acquired EEG to a memory card and real-time data transfer via Wi-Fi
- Ambulatory EEG recording (up to several days) with video monitoring
- Long-term EEG monitoring
- Control of electrode impedance during acquisition

PSG

DIGITAL SYSTEMS FOR PSG AND CRM STUDIES



NEURON-SPECTRUM-AM/PSG

PORTABLE PSG SYSTEM (TYPE I, II, III SLEEP MONITOR)

- PSG system for attended facility-based PSG, out-of-center PSG and cardiorespiratory monitoring
- Full range of PSG channels in compliance with American Academy of Sleep Medicine (AASM) recommendations
- Automatic and manual sleep staging
- Detection and analysis of respiratory events, desaturation events, cardiac events, etc.
- Software with automatic tools for PSG analysis
- Autonomous and wireless operating modes

EEG/PSG/EMG



NEURON-SPECTRUM-65/PSG

CLINICAL PSG SYSTEM (TYPE I SLEEP MONITOR)

- Ready-made solution for your PSG lab
- Full range of PSG channels in compliance with AASM recommendations
- Connection to a portable patient unit
- Synchronous video monitoring
- Sleep staging and detection of sleep-related events
- Several DC channels for the most demanding sleep studies



NEURON-SPECTRUM-5

EEG, EMG AND PSG SYSTEM

- 21 or 32 EEG channels
- 12 options to expand the device functions (video monitoring, EMG, etc.)
- Full range of PSG channels in compliance with AASM recommendations
- 4 wide-band polygraphic channels to study multi-modality EP, NCS and EMG
- Built-in stimulators: auditory, photic, pattern and electrical
- Advanced EEG, EP, PSG analysis tools



NEW

LITEBOX

3-CHANNEL NCS, EMG AND EP SYSTEM

- 3 acquisition channels for quickest examination ever
- All-in-one: stimulators, amplifier, keyboard in a single compact and lightweight box
- Electrical stimulator with unipolar and bipolar pulse waveforms
- Premium signal quality due to innovative circuits for sophisticated filtering, noise suppression and stimulus artifact reduction



SKYBOX

5-CHANNEL DIGITAL EMG, NCS AND EP SYSTEM

- All you need is within a lightweight compact case: stimulators, acquisition channels and a dedicated keyboard
- All EP modalities in the base delivery set
- Instant EMG acquisition
- 2 independent electrical stimulators
- Portable, can be powered by notebook



NEURO-MEP-4/8

4- OR 8-CHANNEL NCS, EMG AND MULTI-MODALITY EP SYSTEM WITH WIRELESS KEYBOARD

- Modular architecture
- 4 or 8 high-quality acquisition channels
- Easy-to-use EMG system of expert class
- Multi-modality EP in the base delivery set
- Constantly extensible set of tests



NEURO-TOX

DEVICE FOR EMG/STIM-GUIDED INJECTIONS

- Compact size and battery operated
- Electrical stimulator and EMG recorder in one unit
- Application in neurology, therapy and anesthesiology
- Touch-proof connectors to plug in electrodes and injection needles
- Operation indicators and built-in speaker

NEURO-IOM (v. 2)

MULTIMODAL SYSTEM FOR INTRAOPERATIVE NEUROPHYSIOLOGICAL MONITORING

- 32 amplifier channels expandable up to 64 channels
- More than 10 IONM modalities: motor, somatosensory, auditory and visual evoked potentials, free-run EMG, direct nerve stimulation, EEG, etc.
- Transcranial electrical stimulator (up to 1000 V), 12-channel electrical stimulator, low current stimulator, auditory and visual stimulators
- Flexible configurations to ensure any monitoring needs

NEURO-ERG

DIGITAL SYSTEM FOR ERG AND VISUAL EP STUDY

- Clinical electrophysiological testing of vision: objective assessment and analysis of retinal function and visual pathways at all levels
- Diagnostics of initial (preclinical) retinal changes
- Set of specially designed electrodes
- Mini-ganzfeld stimulator
- Penlights with concentrators for focal ERG tests
- Multifocal ERG in the base delivery set

TMS

TRANSCRANIAL MAGNETIC STIMULATORS



NEURO-MSX

TRANSCRANIAL MAGNETIC STIMULATOR

- Application: psychiatry, neurology, rehabilitation and sports medicine
- Stimulation frequency – up to 100 Hz
- Theta burst stimulation (TBS) – up to 2000 Hz
- Advanced liquid cooling technology
- Multifunctional color display, intuitive interface and easy control
- New-generation ergonomic coils
- Built-in memory for preset protocols

NEURO-MS/D

TRANSCRANIAL MAGNETIC STIMULATOR

- Application: psychiatry, neurology, rehabilitation and sports medicine
- Stimulation frequency – up to 100 Hz
- Theta burst stimulation
- Advanced cooling technology guarantees continuous operation without coil overheating
- Neuro-MS.NET software to manage patient database and control treatment courses and stimulation sessions

NEURO-MS

MONOPHASIC MAGNETIC STIMULATOR

- Powerful monophasic stimulus
- Extremely low electromagnetic interference
- Ergonomic and lightweight coils of different shapes and sizes
- Configurations for single-, paired-, triple- or quadri-pulse stimulation (QPS)
- Compatible with EMG/EEG machines of many world-known manufacturers



POLY-SPECTRUM-8/EX

12-CHANNEL MINIATURE WIRELESS
DIGITAL ECG SYSTEM

- 12-channel ECG recording with automatic measurements
- Portable and wireless
- Windows- and Android-based software
- Best solution for stress test, CPET and resting ECG
- 8-hour operation without battery replacement



POLY-SPECTRUM-8/E

MINIATURE 12-CHANNEL DIGITAL ECG SYSTEM
WITH MEASUREMENT AND INTERPRETATION

- 12 standard ECG leads
- High-quality ECG recording
- Detection of pacemaker pulses
- Automatic ECG measurement and interpretation
- Airflow sensor for heart rate variability (HRV) analysis and cardiovascular tests
- Automatic report generation



POLY-SPECTRUM-AM

LONG-TERM AMBULATORY ECG MONITORING
SYSTEM

- 2- or 3-channel Holter monitoring solution
- Wireless connection to clinician's workstation
- One button acquisition start
- ECG monitoring – up to 72 hours
- PQ, QT, ST, HRV, BP and arrhythmia analysis

AUDIOLOGY

AUDITORY EP, OAE, ASSR SYSTEMS & SCREENERS



aSCREEN

TINY OAE DEVICE

- Smallest in the world, yet powerful
- TEOAE and DPOAE in one device
- Bluetooth communication for data transfer and result printing
- Easily customizable test templates
- Works with Android smartphones



NEURO-AUDIO

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

- Complete solution for auditory EP and OAE acquisition
- Non-sedated ABR
- ABR & CAEP according to International Evoked Response Audiometry Study Group (IERASG) and British Society of Audiology (BSA) guidelines
- Electrical ABR (eABR) via trigger input
- Automatic multi-ASSR test
- VEMP with biofeedback



AUDIO-SMART

PORTABLE SYSTEM FOR DIAGNOSTICS
AND SCREENING

- OAE, ABR and tympanometry in one powerful device
- Hearing screening: OAE and automated ABR (AABR) testing
- Truly portable middle ear analyzer
- ABR test with wave V Jewett marker
- 1000 Hz probe tone for infants
- Simple and user-friendly touchscreen interface

CARDIAC REHABILITATION



MULTITRAINER

CARDIAC REHABILITATION SYSTEM WITH BIOFEEDBACK

- Cardiac rehabilitation of up to 16 patients simultaneously (up to 80 sessions per day in total)
- Physiological parameter monitoring (ECG, ST, BP, SpO₂, PVC, etc.)
- More than 10 different models of ergometers and treadmills are supported
- Training protocol customization, creation of comprehensive rehabilitation programs
- Training protocols according to international standards

GAIT AND MOTION ANALYSIS



STEADYS

GAIT ASSESSMENT AND TRAINING SYSTEM WITH BIOFEEDBACK

- All-in-one: gait assessment and training
- Gait assessment with/without a treadmill
- Rehabilitation of patients with gait disorders
- Patient motivation with a virtual gaming environment
- Streamlined workflow with automatic training mode

CARDIOVASCULAR REFLEX TESTING



VNS-MICRO

NEUROPATHY ANALYZING SYSTEM

- Complex study of the autonomic nervous system
- Simultaneous respiratory rate and HRV acquisition
- Cardiovascular reflex tests according to D. Ewing — the gold standard
- Portable
- Automatic report generation

SPIROMETRY



SPIRO-SPECTRUM

DIGITAL SPIROMETER WITH EXTRA MEASUREMENT ACCURACY

- High accuracy of lung volume and airflow rate measurement
- Automatic control of reproducibility and acceptance of respiratory maneuvers
- Demountable construction of flowmeter for quick and proper disinfection
- 3-liter calibration syringe according to international standards
- Inhalation tests with an automatic comparison of results

TES

TRANSCRANIAL ELECTRICAL STIMULATOR



NEUROSTIM THERAPEUTIC

TRANSCRANIAL ELECTRICAL STIMULATOR

- DC output current – up to 2 mA
- Continuous monitoring of electrode impedance
- Inpatient and outpatient use
- Storage capacity – up to 250 sessions
- USB connection for advanced control



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