

CATALOGUE



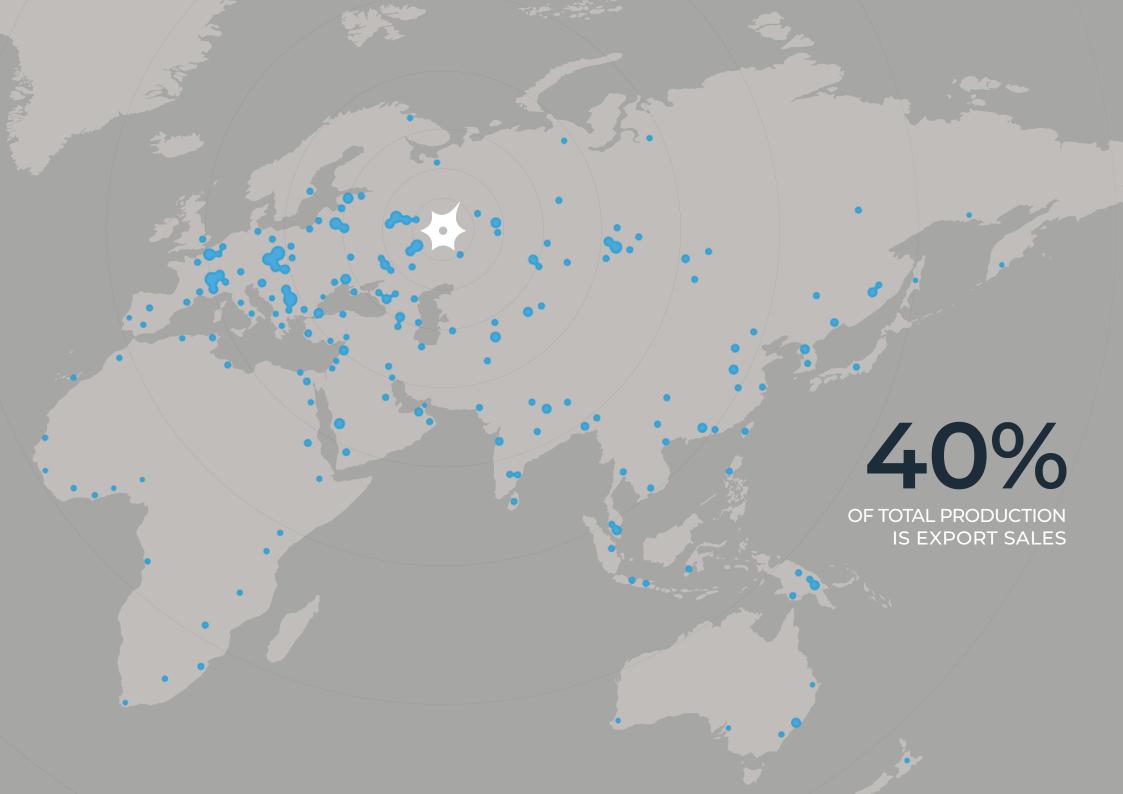
Neurosoft

WE CONNECT PEOPLE, KNOWLEDGE,
TECHNOLOGY AND TRANSLATE CUTTING-EDGE
SCIENTIFIC ACHIEVEMENTS INTO ACCESSIBLE
SOLUTIONS FOR CLINICAL PRACTICE WORLDWIDE

POWER OF INTEGRATION

Neurosoft equipment is trusted in over 100 countries across all continents. With a strong dealer network built on confidence and integrity, we ensure seamless sales and support both in Russia and globally. We offer a full cycle of services: development, production, sales, training and support.

100+
COUNTRIES



NEUROSOFT TODAY

400+

REGISTRATION CERTIFICATES ACROSS THE WORLD

MORE THAN

30YEARS ON THE MARKET

100+

COUNTRIES TRUST US 450

COMMITTED EMPLOYEES

3

MANUFACTURING SITES AND OWN R&D CAMPUS

20

EVERY 20 MINUTES
WE SHIP A DEVICE
FROM OUR WAREHOUSE















bsi.





EXCEEDING EXPECTATIONS

Software and hardware developers, medical researchers, electronics technicians, marketing experts, industrial designers, CNC operators, quality control inspectors and biomedical engineers.



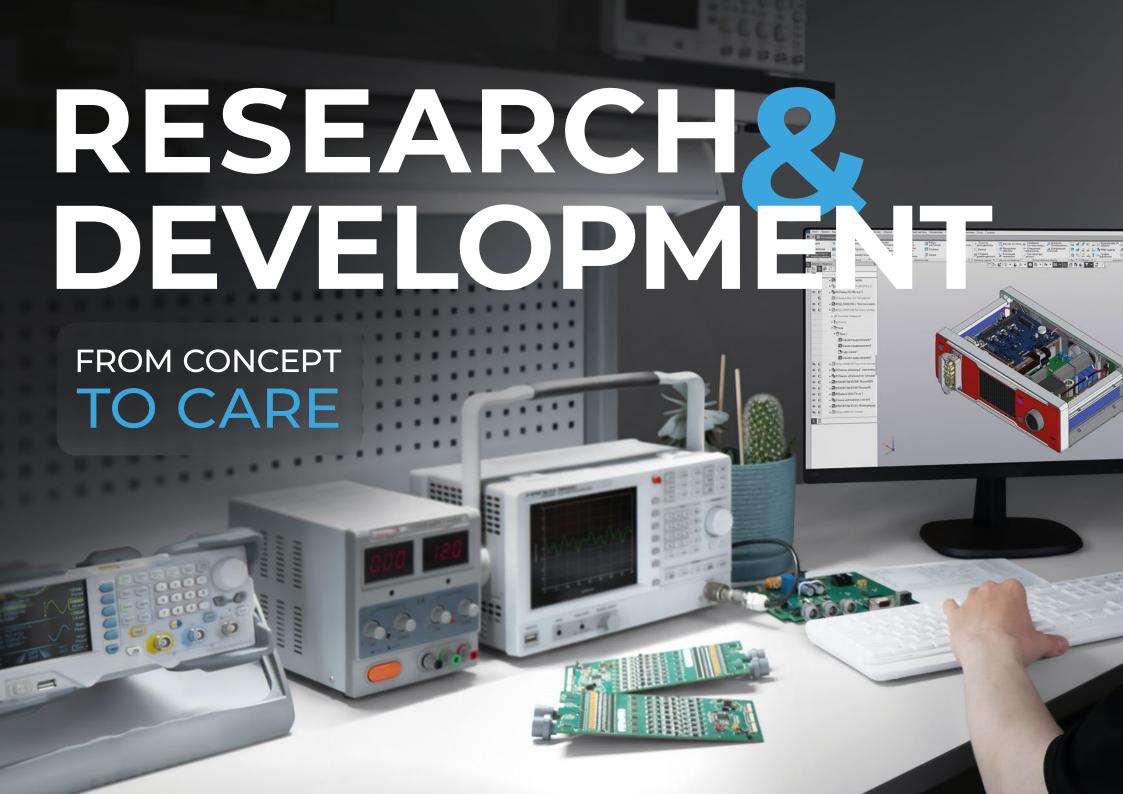
DEGREE-HOLDING EXPERTS

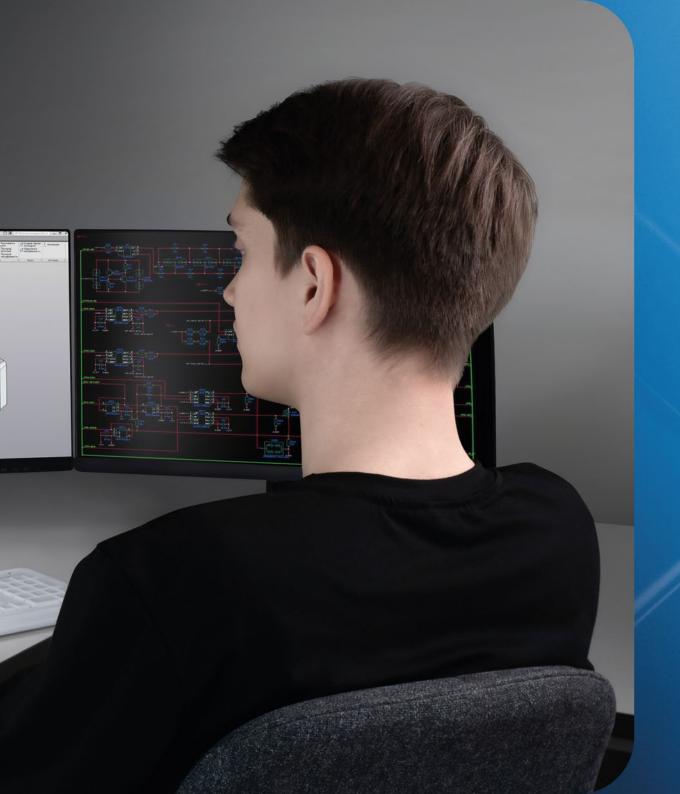


DIRECTLY INVOLVED IN R&D



PhD HOLDERS





INNOVATIVE HARDWARE

Even the smallest signal is carefully amplified and transferred to the software level with minimal distortion and data loss.

INTELLIGENT SOFTWARE

All signals are processed, filtered, averaged, displayed on the screen in a way that helps make the best diagnostic decisions.

SMART DESIGN

A perfect balance between form and function, where every design element is crafted to enhance both the visual appeal and the practicality of the device for an intuitive user experience.

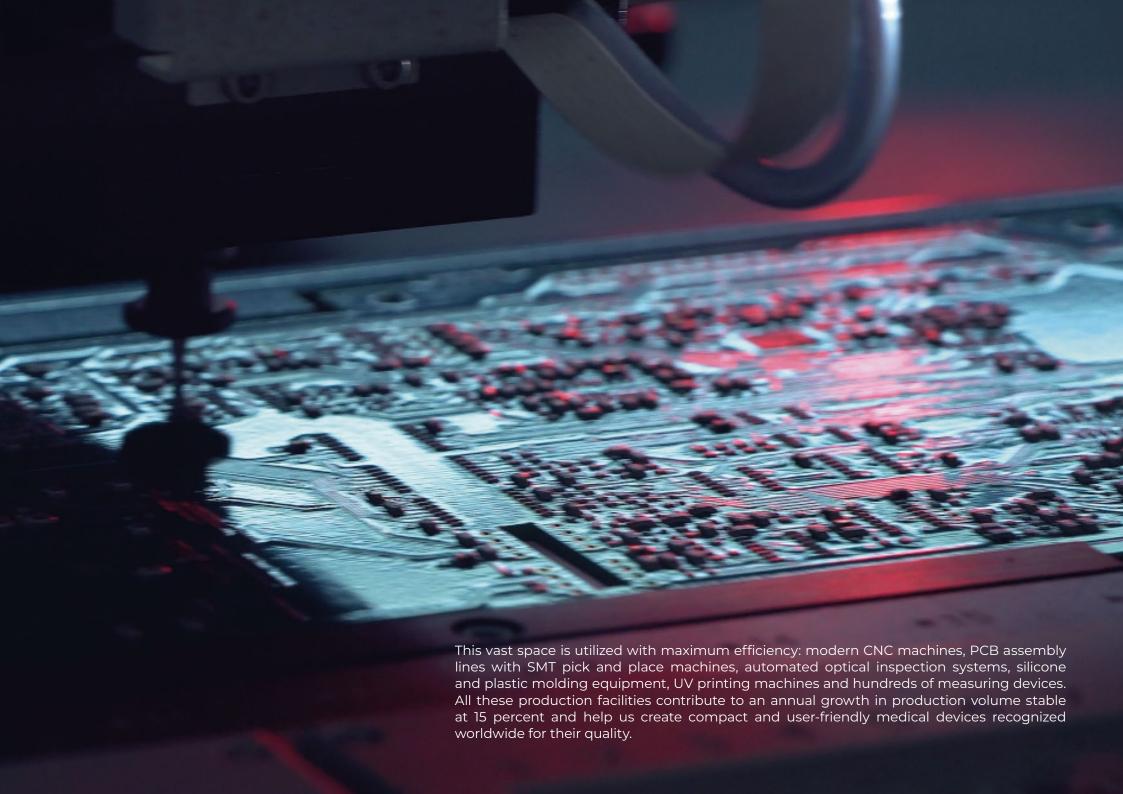
PRODUCTION

5

MODERN LINES 7

SUSTAINABLE GROWTH

5000 m²
OF PRODUCTION SPACE











VIBRANT COLORS AND PRECISE DETAILS ON ANY SURFACE IN SECONDS







MEDICAL EQUIPMENT PERFORMANCE



SAFETY AND ELECTROMAGNETIC COMPATIBILITY



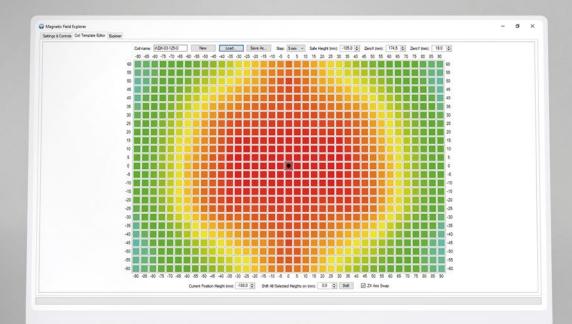
CLIMATIC TESTING: EXTREME TEMPERATURE, HUMIDITY, VIBRATION AND SHOCK



AGGRESSIVE ENVIRONMENT RESISTANCE



PRECISE ACOUSTIC AND SOUND TESTS



1000+

SAFETY AND EMC TESTS DURING
DEVELOPMENT AND 400+ CHECKS DURING
PRODUCTION FOR EACH UNIT

SUPPORT

HELPING CUSTOMERS FOR MORE THAN

30 YEARS

24/7
TECH SUPPORT



REMOTE DIAGNOSTICS IN EVERY DEVICE



LIFETIME SOFTWARE UPDATES

WE WORK WITH AND FOR PEOPLE
WE KNOW THE NEEDS OF OUR CUSTOMERS
AND PROVIDE THEM WITH TOTAL SUPPORT





OWN HIGH-SKILLED SERVICE TEAM BASED IN RUSSIA



NETWORK OF TRUSTED PARTNERS READY TO REACH YOU ANYWHERE



ACCESS TO ALL ONLINE WORKSHOPS AND WEBINARS HELD BY NEUROSOFT



BIGGEST YOUTUBE CHANNEL IN MEDICAL INDUSTRY

TERRA THE CORPORATE UNIVERSITY



STUDENTS

INVESTING TO THE FUTURE OF MEDICAL INDUSTRY



CLINICIANS

IMPROVING MEDICAL SPECIALISTS' QUALIFICATION



EMPLOYEES

PROMOTING PERSONAL AND PROFESSIONAL GROWTH



OPEN EDUCATIONAL PLATFORM FOR THE ENTIRE MEDICAL INDUSTRY

Tailored educational program Medical Product Life Cycle Management (MPLC Management) provides students with practical knowledge in the field of design, development and promotion of medical equipment.

GRADUATE ENGINEERS ANNUALLY

20



SCIENTIFIC COLLABORATION

B-STARS 2017



Neuro-MS/D magnetic stimulator participated in a large-scale study on stroke rehabilitation, specifically in the "Brain stimulation for arm recovery after stroke" project.

Vink J.J.T. et al. Continuous theta-burst stimulation of the contralesional primary motor cortex for promotion of upper limb recovery after stroke: a randomized controlled trial. *Stroke* (2023)

PROTECTING BRAINS &

SAVING FUTURES 2019



Neuromonitor system was selected for a project aimed at reducing infant mortality and providing high-tech medical care in Brazil and India.

Variane G.F.T. et al. Newer indications for neuromonitoring in critically ill neonates. *Front Pediatr.* (2023)

VIS FLANDERS 2018



Collaboration with the world's first vestibular screening for infants in Flanders, using our Neuro-Audio devices to record vestibular myogenic evoked potentials in infants from 6 months old.

Martens S. et al. Vestibular Infant Screening–Flanders: The implementation of a standard vestibular screening protocol for hearing-impaired children in Flanders. *Int J Pediatr Otorhinolaryngol.* (2019)

VERIFY 2022



Neuro-MS magnetic stimulator participated in a multicenter study in the USA, aiming to obtain early prognostic data on the rehabilitation potential of stroke patients.

Connell L.A. et al. Implementing the PREP2 algorithm to predict upper limb recovery potential after stroke in clinical practice: a qualitative study. *Phys Ther.* (2021)

BEST SCIENTISTS CHOOSE US



The Chinese University of Hong Kong



Erasmus University Rotterdam



Stanford University



Utrecht University



University of São Paulo



Australian National University



N. N. Burdenko National Medical Research Center of Neurosurgery



Air Force Medical University



Johns Hopkins University



All India Institute of Medical Sciences



Ghent University



The Royal Australian & New Zealand College of Psychiatrists

PAPERS USING NEUROSOFT DEVICES PUBLISHED EACH YEAR

ACHIEVEMENTS

MULTIPLE WINNER

OF MAJOR NATIONAL **BUSINESS AWARDS**

AWARDS

2024 BEST EXPORTER OF THE YEAR 2023 BEST EMPLOYER OF THE YEAR 2021 BEST ENTREPRENEUR OF THE YEAR

IST PRIZE "EXPORTER OF THE YEAR IN INDUSTRY" at the top-tier All-Russian Award "Exporter of the Year", category "Large Business"



РОССИЙСКИЙ ЭКСПОРТНЫЙ ЦЕНТР



ЭКСАР



▼ РОСЭКСИМБАНК

КРУПНЫЙ БИЗНЕС

1-е МЕСТО В НОМИНАЦИИ ЭКСПОРТЕР ГОДА В СФЕРЕ ПРОМЫШЛЕННОСТИ

ЭКСПОРТЕР ГОДА



CONTENTS

Neurosoft supplies 15 and more product lines to the international market — equipment for brain electrical activity study, neuromuscular system assessment, hearing diagnostics from birth, neurological and mental disorders treatment, cardiac and movement rehabilitation.

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AUDIOLOGY

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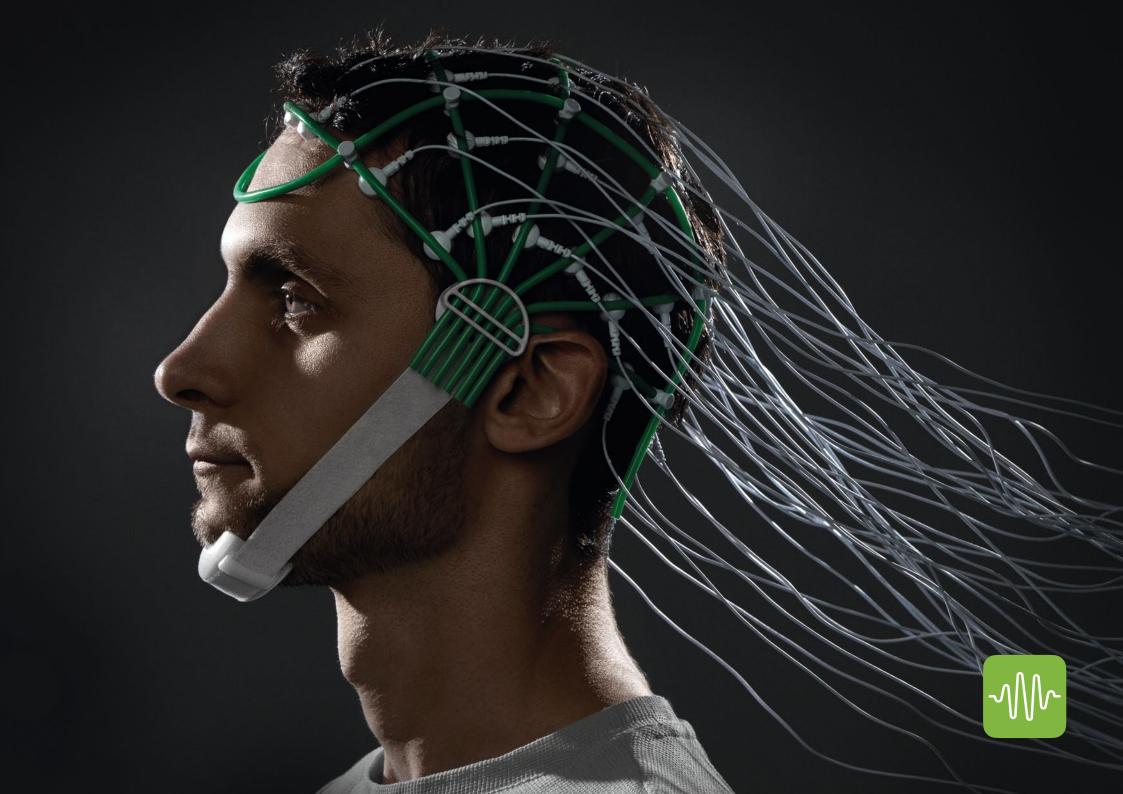
UROLOGY

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ELECTROENCEPHALOGRAPHY



NEURON-SPECTRUM-

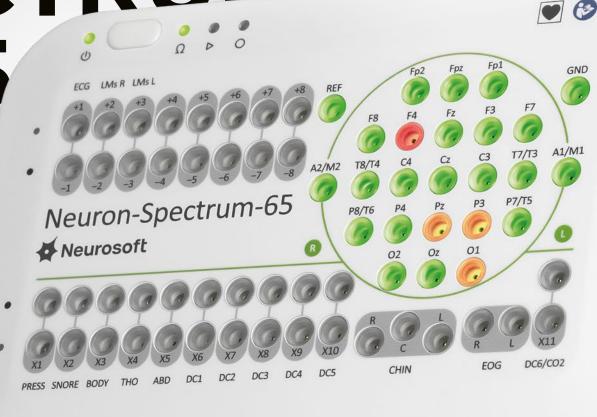
61-65

routine EEG LTM

CFM LLEP BFB

PSG LTM in ICU

TMS-EEG

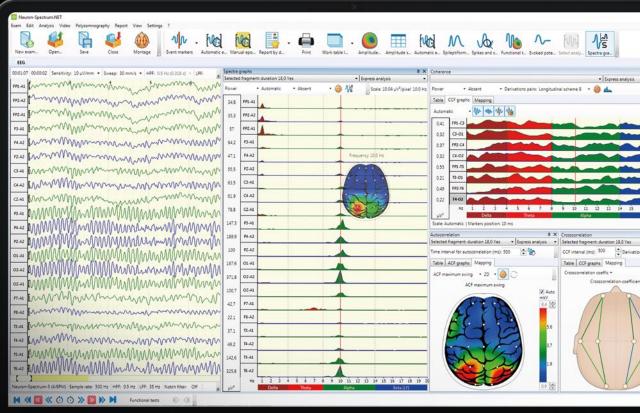


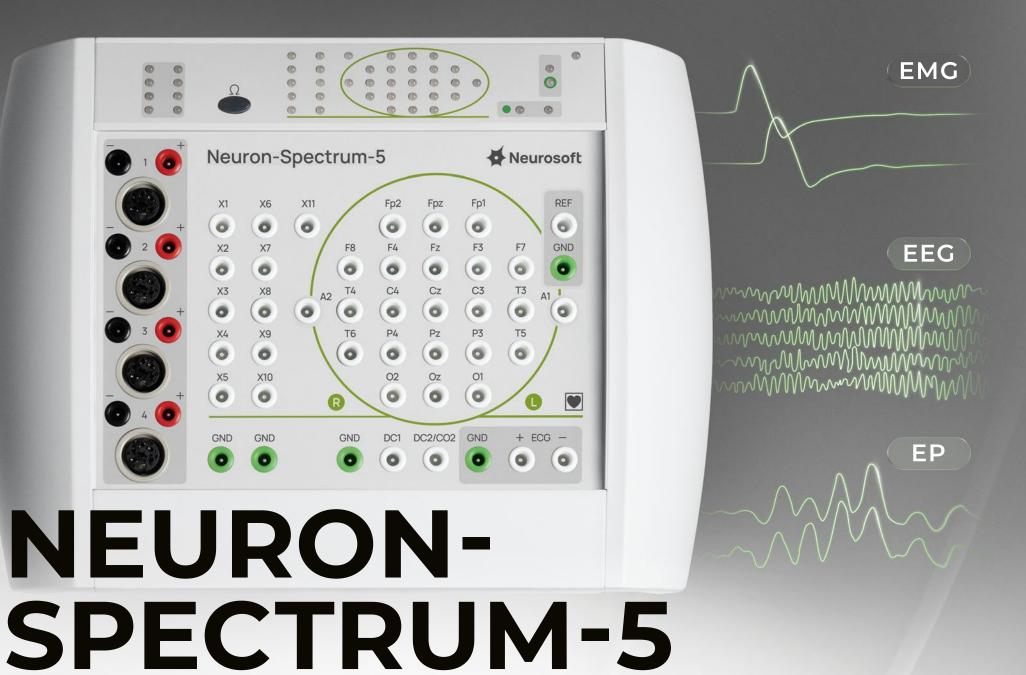
ELECTROENCEPHALOGRAPHS

MULTIPLE FEATURES OF SOPHISTICATED EEG STUDY, INCLUDING ALL DESIRED ACTIVATION TECHNIQUES

CONTINUOUS IMPEDANCE MONITORING DURING ACQUISITION

BRAIN MAPPING, SPECTRAL, COHERENT, PERIODOMETRIC ANALYSIS AND AUTOMATIC REPORT GENERATION





ALL-IN-ONE EEG, EMG AND PSG LABORATORY

ELECTROENCEPHALOGRAPHS



MULTIFUNCTIONAL COMPACT NEUROPHYSIOLOGICAL LABORATORY



12 OPTIONS TO EXPAND THE DEVICE FUNCTIONS



VARIOUS TYPES OF EEG ANALYSIS



21 AND 32 EEG CHANNEL VERSIONS

routine EEG aEEG PSG EMG

ERG LTM EP BFB LTM in ICU

3in1

Can be used for long-term EEG monitoring for up to several days, PSG studies and routine examinations



LTM routine EEG PSG

NEURON-SPECTRUM-AM

AMBULATORY WIRELESS EEG RECORDER





NEUROMONITOR

CEREBRAL FUNCTION MONITORING



SMOOTH-RUNNING TROLLEY TO MOVE SYSTEM BETWEEN THE POINTS OF CARE

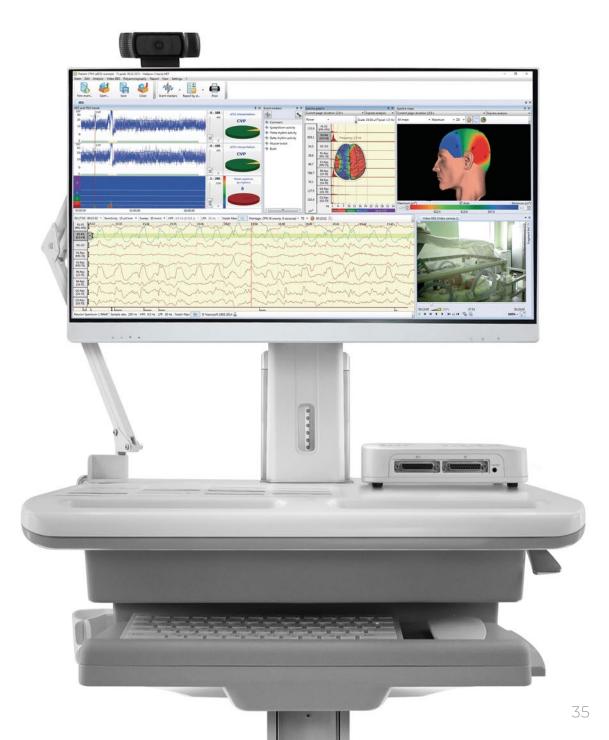




AUTOMATIC DETECTION OF PATHOLOGICAL aEEG PATTERNS

SYNCHRONOUS VIDEO RECORDING





ESSIGNATION OF THE PROPERTY OF



NEURON-SPECTRUM-AM/PSG

A portable PSG recorder can be used to perform a comprehensive overnight PSG study at a patient's home and in an ordinary hospital room

Full set of PSG channels

More than 24-hour operation without battery replacement

PSG SYSTEMS

TYPE I AND II SLEEP MONITORS ACCORDING TO AMERICAN ACADEMY OF SLEEP MEDICINE (AASM)

MWT

PSG

split-night PSG test

PAP titration

SAT

MSLT







RESPIRATORY RECORDER FOR DIAGNOSTICS OF SLEEP-DISORDERED BREATHING

Type III and IV sleep monitor according to the American Academy of Sleep Medicine recommendations

SNORLEX

HOME SLEEP APNEA TESTING DEVICE





Automatic scoring of apnea/hypopnea index



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

ELECTROMYOGRAPHY



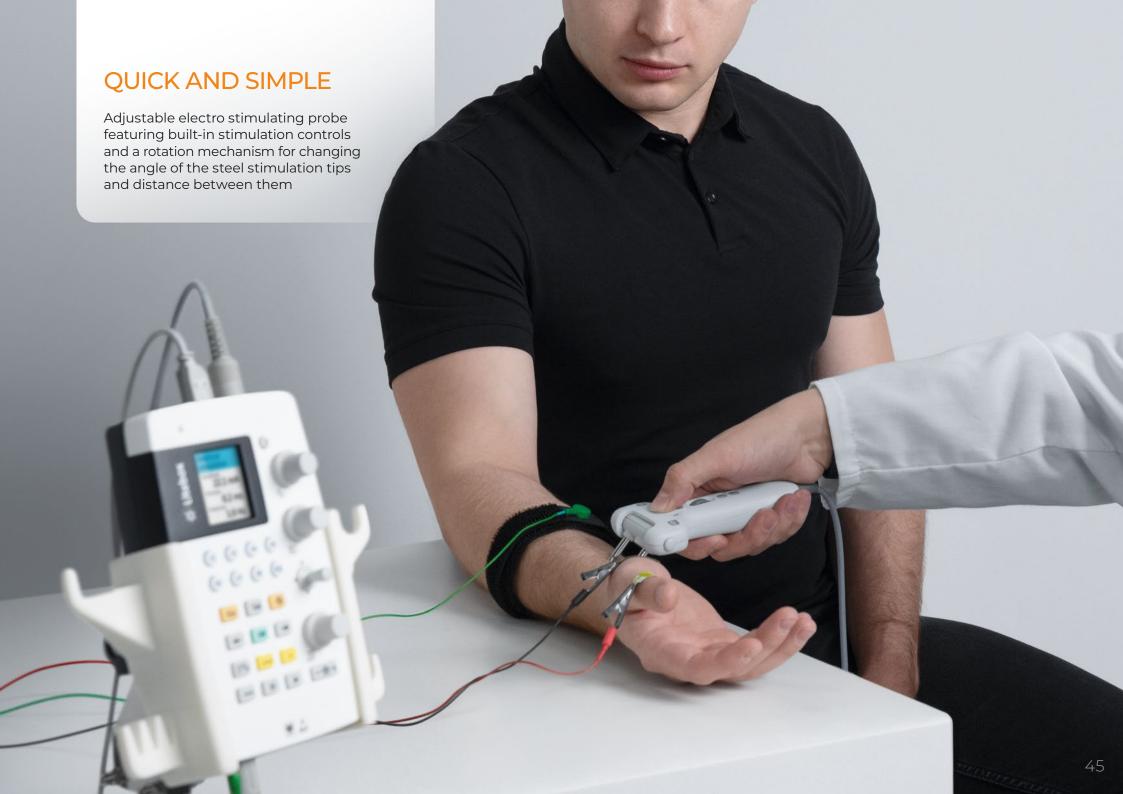
LITEBOX

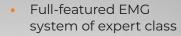
3-CHANNEL NCS, EMG AND EP SYSTEM



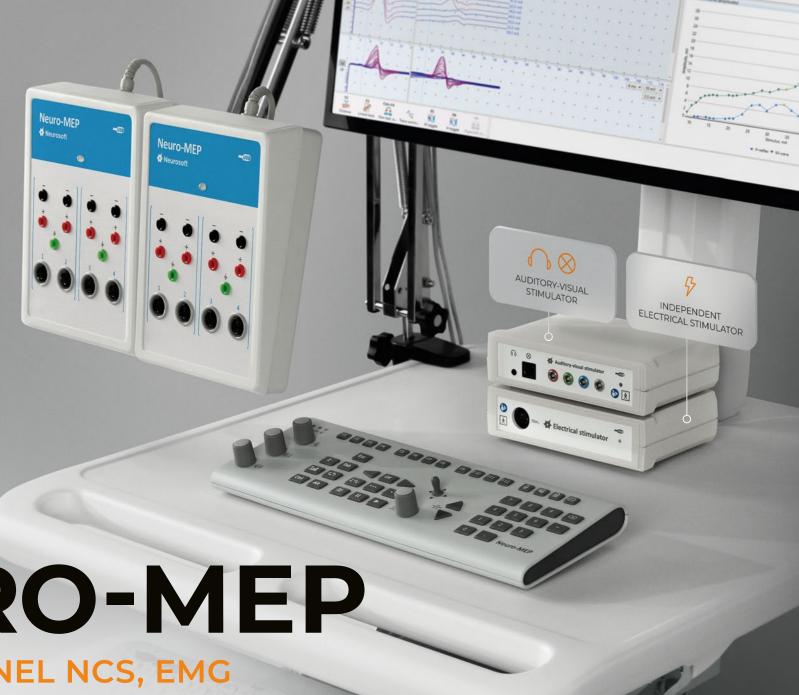
- All-in-one: stimulators, amplifier, keyboard in a single compact and lightweight box
- Electrical stimulator with unipolar and bipolar stimulus waveforms
- Premium signal quality due to innovative circuits for sophisticated filtering, noise suppression and stimulus artifact reduction





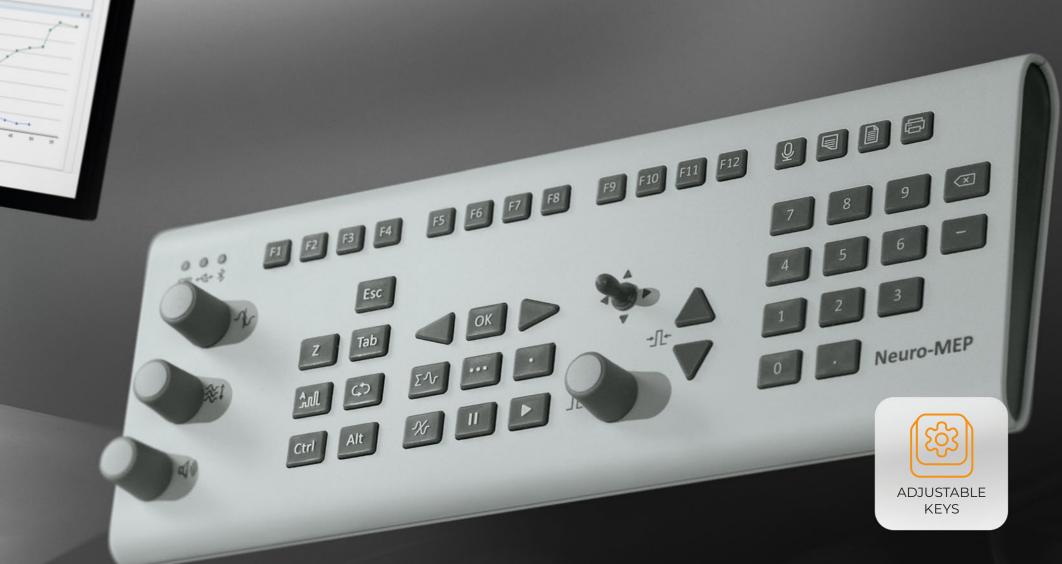


- 4 or 8 high-quality acquisition channels
- EMG according to international standards
- Multi-modality EP in the base delivery set



NEURO-MEP

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



WIRELESS KEYBOARD

The dedicated keyboard is created to give easy access to all main functions without changing hand position. All required controls are always at your fingertips

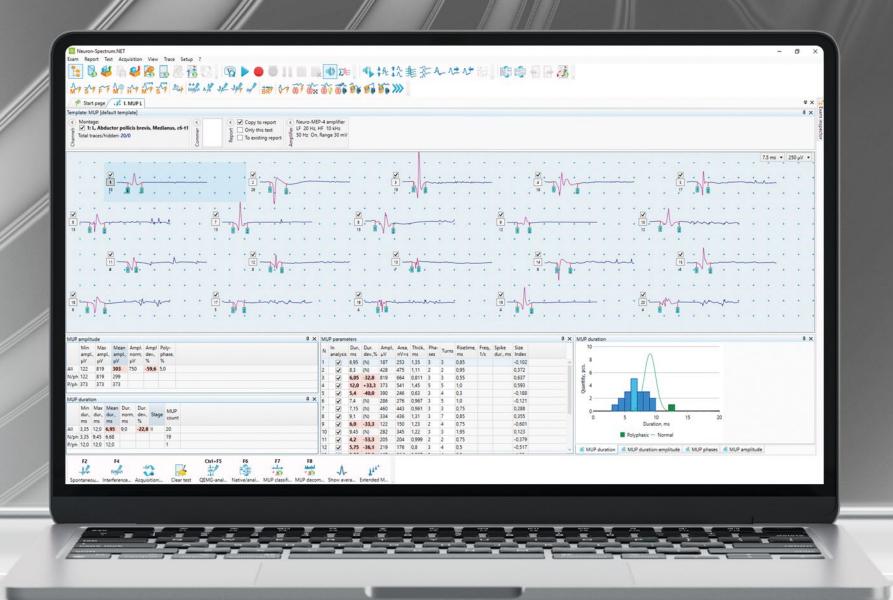
NEURO-MEP-MICRO

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

SMALLEST EMG/NCS/EP MACHINE IN THE WORLD

- All-in-one compact and lightweight system: stimulators, acquisition channels, controls and display
- 2 channels are optimized to perform motor and sensory conduction tests and needle EMG quickly

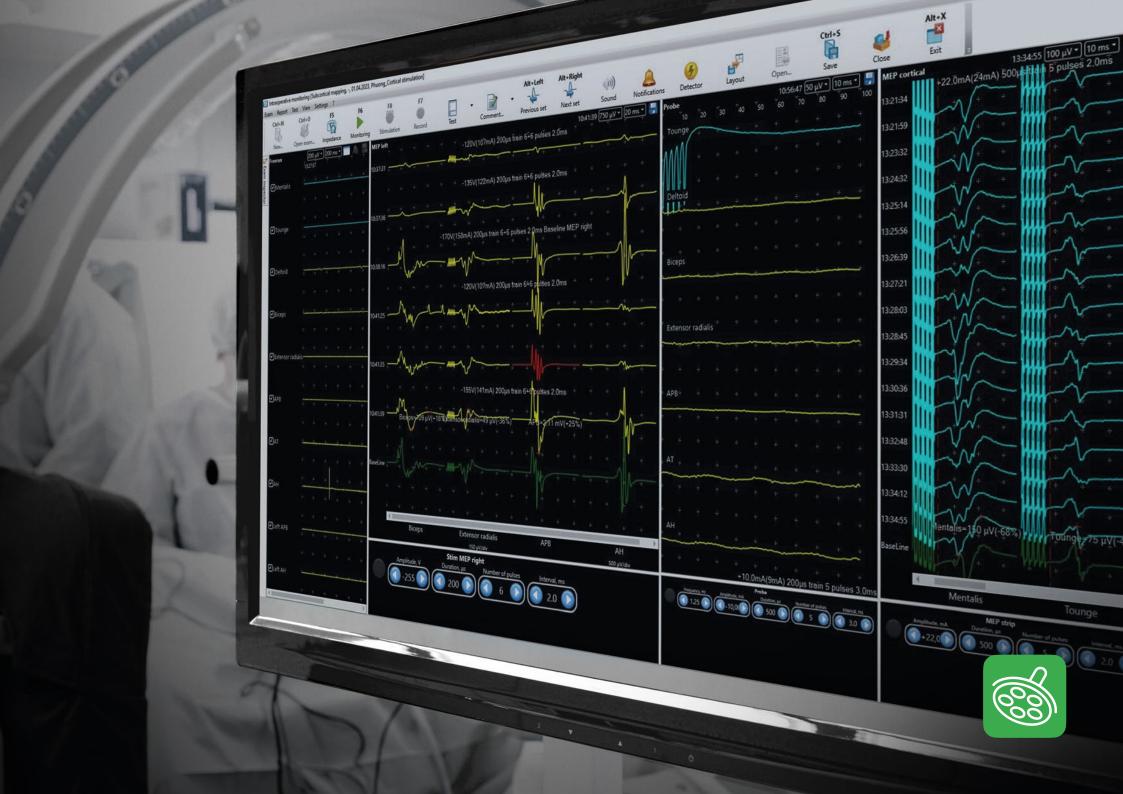








INTRAOPERATIVE NEUROPHYSIOLOGICAL MONITORING

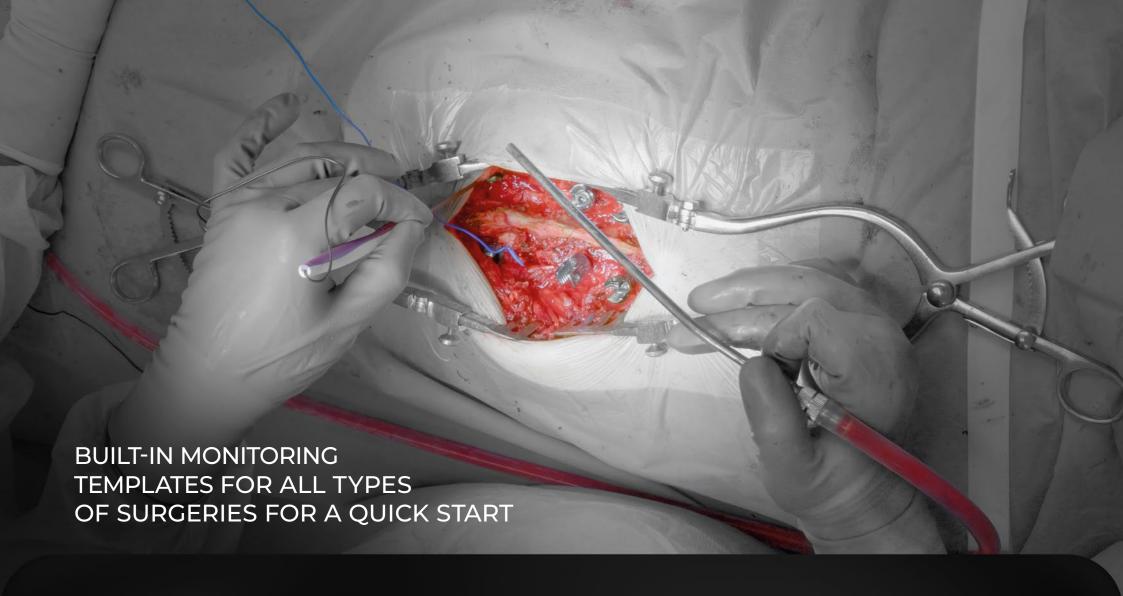


NEURO-IOM

MULTI-MODALITY
SYSTEM FOR INTRAOPERATIVE
NEUROPHYSIOLOGICAL
MONITORING

neurosurgery vascular surgery traumatology and orthopaedics





- More than 10 modalities on one screen for effective monitoring of nerve structures
- Significantly reduces the risk of postoperative neurological deficits in complex neurological, trauma, orthopaedic and vascular surgery

- Automatic monitoring due to stimulation programs
- Stationary 64 inputs (32 bipolar channels) system with a built-in powerful transcranial electrical stimulator (TES) and 2 portable systems (16- and 32-channel) with a TES pod

- Direct stimulation of nerve structures in the operating field ensures an instant response on the display screen with key parameters
- 4 monitoring modalities (triggered and spontaneous EMG, DNS, TOF)
- Large touchscreen with real-time display of motor evoked potentials and their parameters on all channels

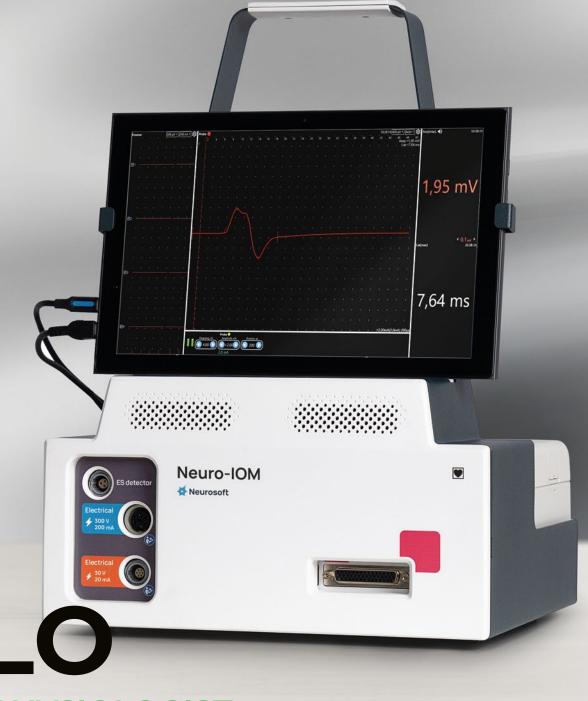
maxillofacial surgery

ENT surgery

endocrine surgery

NEURO-IOM/SOLO

IOM WITHOUT A NEUROPHYSIOLOGIST





TRANSCRANIAL MAGNETIC STIMULATION



NEURO-PARTICIONAL PROPERTIES NA PARTICIONAL PROPERTIES NA PARTICIONAL

HIGH-PERFORMANCE
BIPHASIC STIMULATOR

PREDEFINED TREATMENT PROTOCOLS

- Transcranial and peripheral stimulation
- Advanced liquid cooling technology
- Up to 150 Hz stimulation
- Theta-burst stimulation
- Built-in memory for preset protocols
- Wide range of coils
- Flexible configuration to meet every clinical need







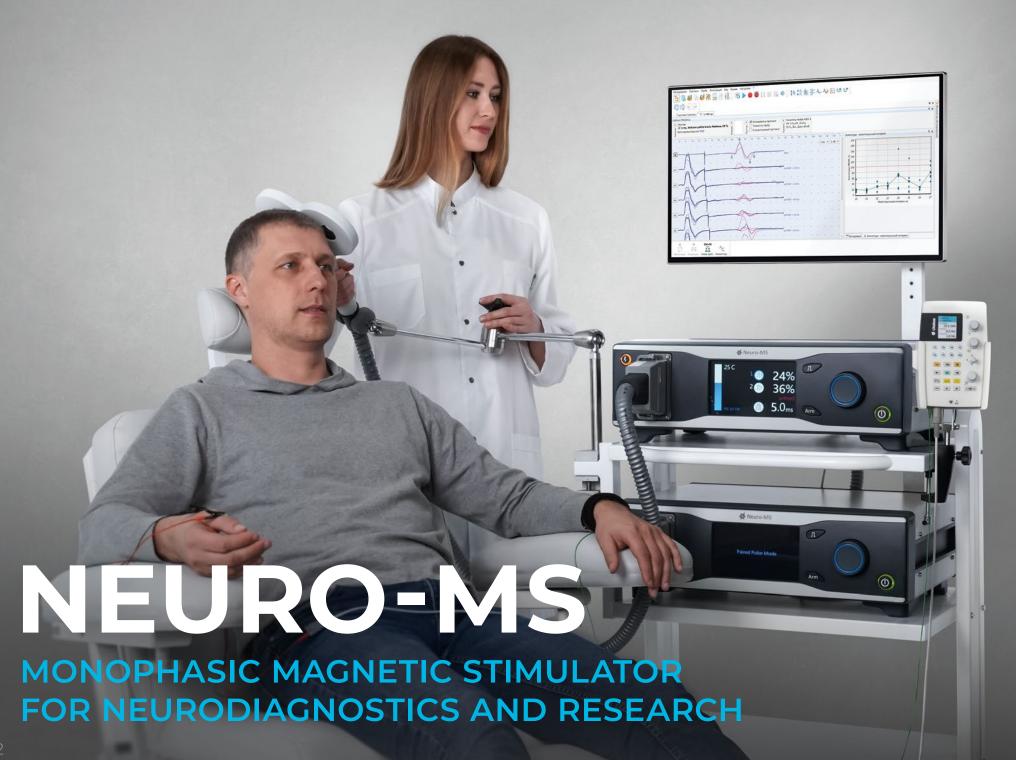
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system. Big color screen, knobs and buttons — everything in sight and at your fingertips

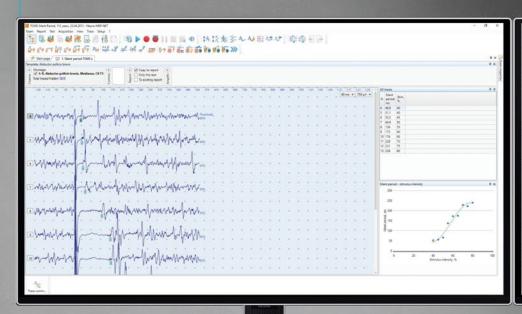


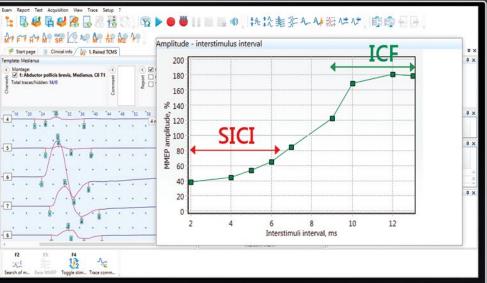




SILENT PERIOD TEST

- SHORT-INTERVAL INTRACORTICAL INHIBITION (SICI)
 SHORT-INTERVAL INTRACORTICAL INHIBITION (SICI)
- LONG-INTERVAL INTRACORTICAL INHIBITION (LICI)







Powerful monophasic stimulus



Low electromagnetic interference



Single-, paired-, tripleand quadri-pulse stimulation (QPS)



Paired stimulation using one or two coils



Ergonomic and lightweight coils of different shapes and sizes



Compatible with EMG/EEG machines of many world-known manufacturers

COILS

20+ COIL MODELS

Cooled and non-cooled coils in various shapes and sizes for effective therapy, diagnostics and rehabilitation





FIGURE-OF-EIGHT COILS



HOT INNOVATION FOR COOL RESULTS!

NEW AIR-COOLED COIL

- BEST CHOICE TO START YOUR TMS PRACTICE WITH
- NO COOLING UNIT NEEDED
- HIGHLY EFFICIENT
- GOOD ERGONOMICS



NEUROSTIM

TRANSCRANIAL ELECTRICAL STIMULATOR

- Compact, battery-powered device
- USB connection for advanced control via software
- Output current:
 up to 2 mA tDCS
 up to 5 mA research
- Continuous monitoring of electrode impedance
- Storage of 250+ sessions

tDCS tPCS tACS tRNS
sham custom waveform





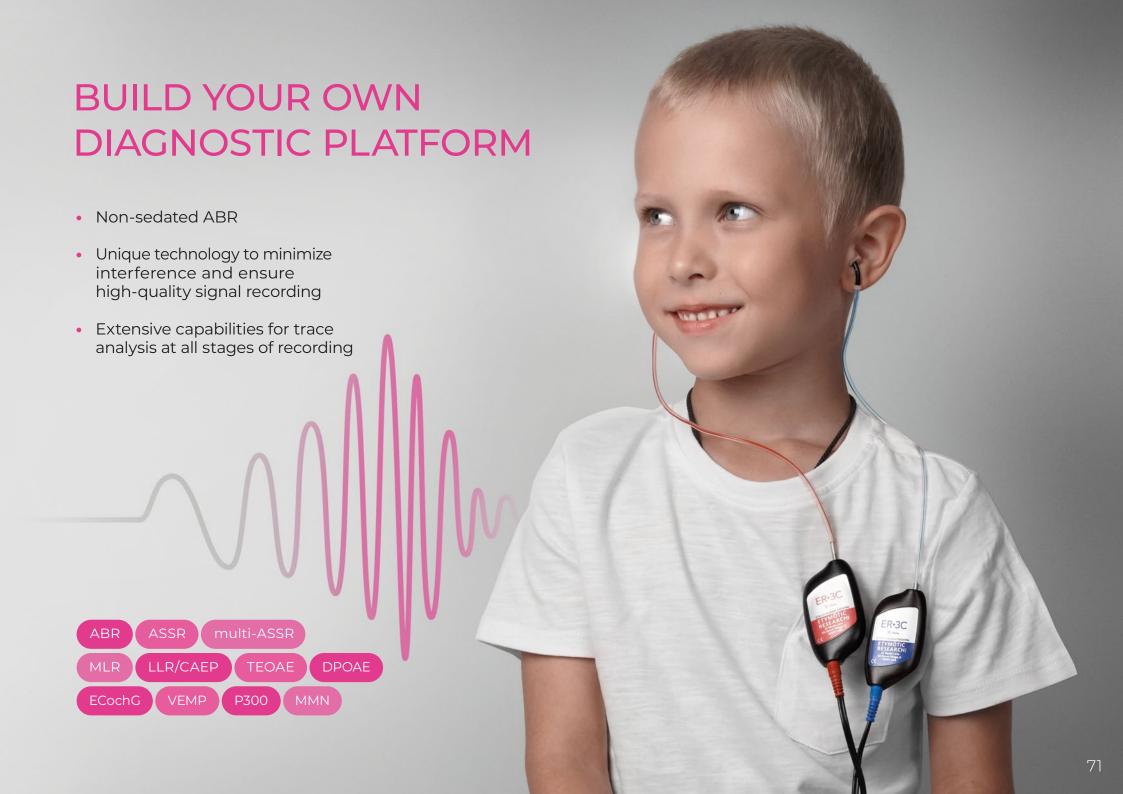
AUDIOLOGY OPECTIVE HEADING BLACKICS

OBJECTIVE HEARING DIAGNOSTICS





ALL-IN-ONE SOLUTION FOR AUDITORY EVOKED POTENTIALS AND OTOACOUSTIC EMISSIONS



AUDIO-SMART

PORTABLE SYSTEM FOR DIAGNOSTICS AND SCREENING

TEOAE DPOAE AABR

tympanometry acoustic reflex test

reflex decay test ETF



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

TRUE HYBRID

OAE, ABR AND TYMPANOMETRY IN ONE POWERFUL DEVICE





4 FREQUENCIES OF THE PROBE TONE

(226, 678, 800, 1000 Hz)

IPSI- AND CONTRALATERAL ACOUSTIC REFLEXES

WIDE RANGE OF STIMULI FOR ACOUSTIC REFLEX TESTING

BROAD-BAND NOISE TO WORK WITH THE PEDIATRIC PATIENTS

TESTING OF THE PATIENTS WITH PERFORATED TYMPANIC MEMBRANE

tympanometry

acoustic reflex test

reflex decay test

ETF

FTF-2





PORTABLE aSCREEN SYSTEM ENSURES FAST, ACCURATE AND SAFE HEARING SCREENING

HEARING SCREENING USING TEOAE AND DPOAE TECHNIQUES

WEIGHTED AVERAGING FOR FASTER
TESTING AND ACCURATE IN-EAR SOUND
LEVEL CALIBRATION

EASILY CUSTOMIZABLE TEST TEMPLATES

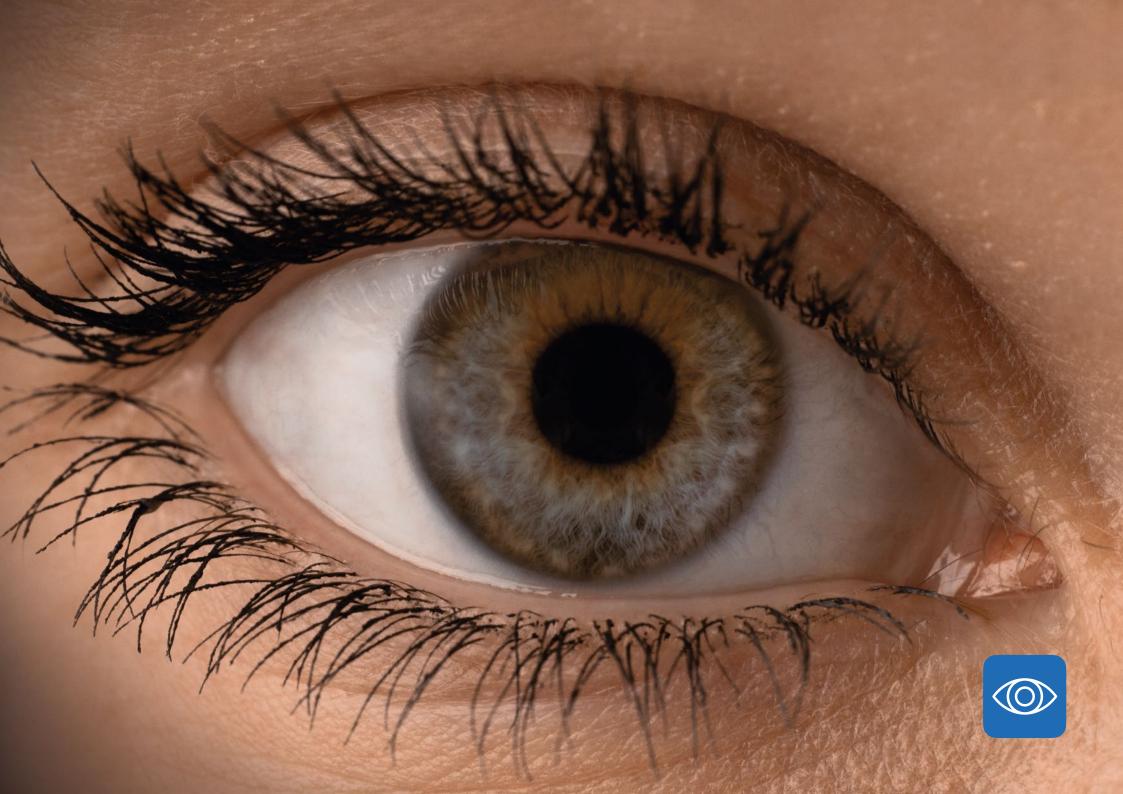
aScreen works with the list of Android-based smartphones and tablets with the USB On-The-Go feature. All you need is to choose a device with the screen size and battery capacity you are comfortable with.







ELECTRORETINOGRAPHY

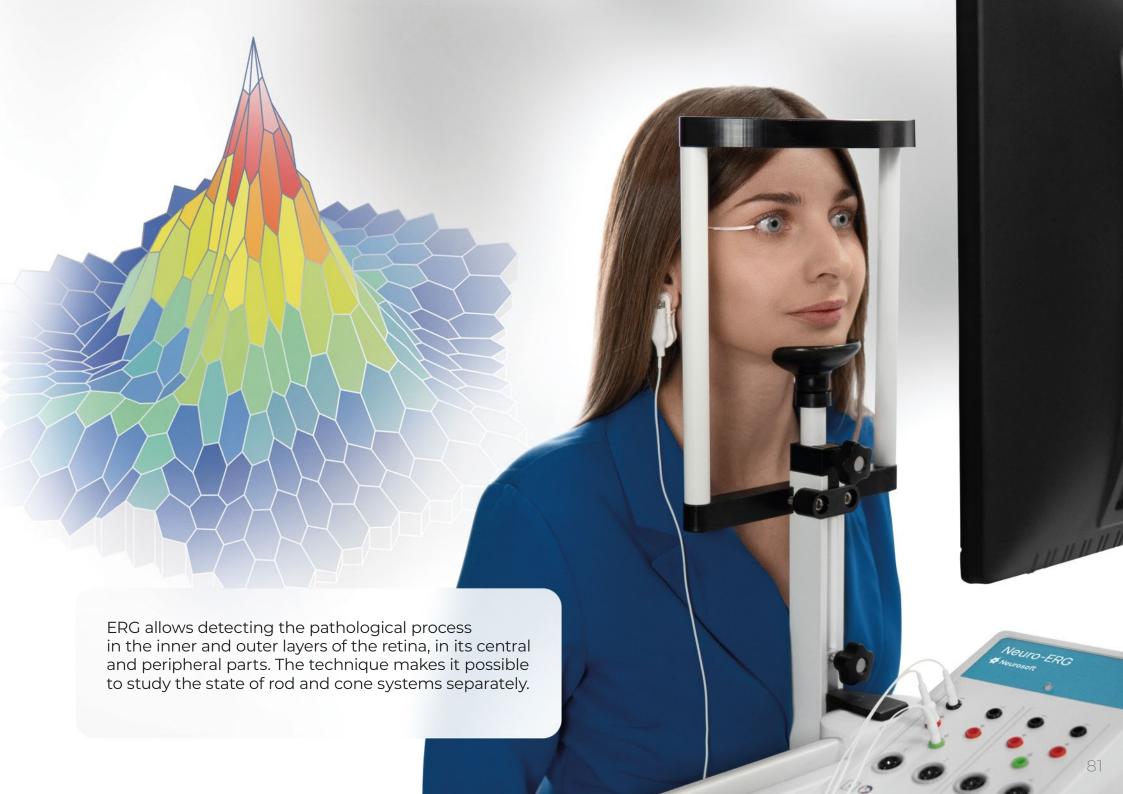






NEURO-ERG

DIGITAL SYSTEM FOR ERG AND VISUAL EP STUDY



ELECTROCARDIOGRAPHY



POLY-SPECTRUM

12-CHANNEL MINIATURE DIGITAL ECG SYSTEMS



WIRELESS AND USB-POWERED ECG MACHINES



ADVANCED 12-CHANNEL ECG RECORDING



AUTOMATIC ECG MEASUREMENT





ERGOPOINT

EXPERT-CLASS ECG STRESS TEST

SYSTEM WITH WIRELESS

ECG RECORDER



EXERCISE STRESS TEST WITH CONTINUOUS 12-CHANNEL ECG ACQUISITION



WIRELESS ECG TRANSFER — NO INTERFERENCE



MANUAL AND AUTOMATIC LOAD CONTROL

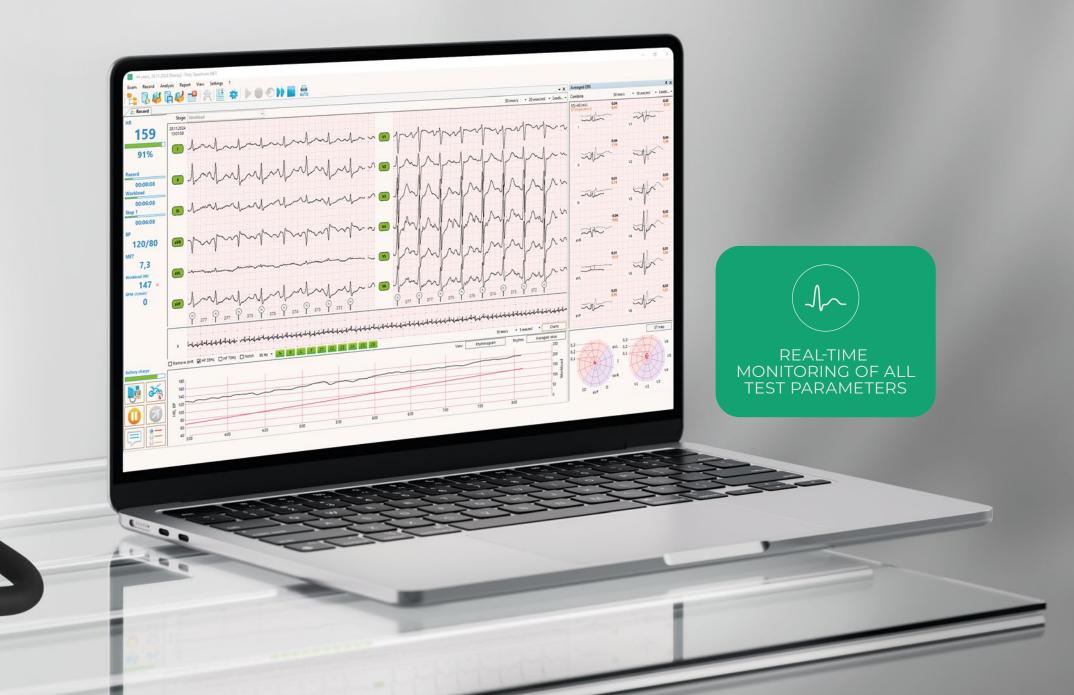


FULL BATTERY OF EXERCISE TEST PROTOCOLS, INCLUDING RAMP PROTOCOL



MEASUREMENT OF SpO₂ AND BLOOD PRESSURE







SYSTEM FOR CARDIAC REHABILITATION WITH ECG CONTROL

SCALABLE SOLUTION FOR CARDIAC REHABILITATION





CARDIAC REHABILITATION IN UP TO 16 PATIENTS SIMULTANEOUSLY



WIRELESS ECG MONITORING

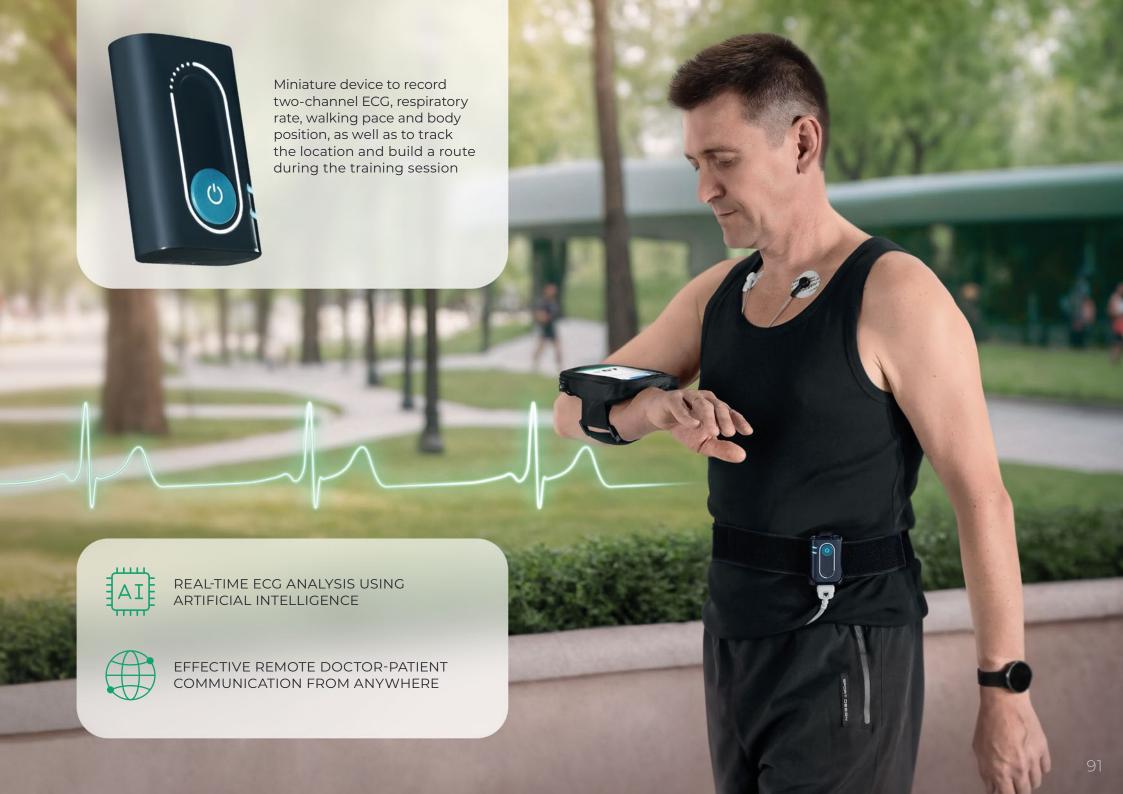


INDIVIDUAL TRAINING PROTOCOLS, COMPLEX REHABILITATION PROGRAMS



DYNAMIC CONTROL OF ALL REHABILITATION PARAMETERS IN DUAL MONITOR MODE





POLY-SPECTRUM-AM

AMBULATORY ECG RECORDER





SPIROMETRY

OBJECTIVE DIAGNOSTICS OF EXTERNAL RESPIRATORY FUNCTION





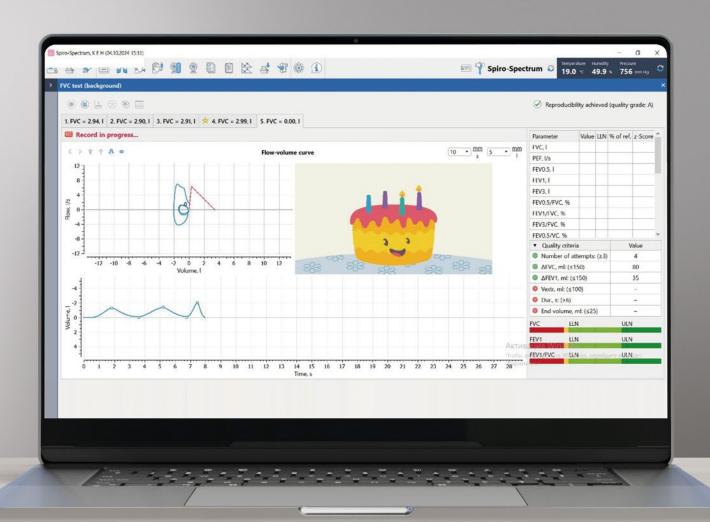


Innovative technology for measuring respiratory parameters; no calibration required

All types of spirometry tests: VC, FVC, MVV (or VmxV), LVV, etc. Accuracy of volume velocity and air volume measurement is 2%



- Up to 50 spirometric parameters for accurate diagnosis of asthma, chronic obstructive pulmonary disease (COPD) and other respiratory diseases in children and adults
- Easy-to-clean flow converter
- Conformance to the ATS/ERS recommendations for accuracy and reproducibility
- Extensive database of reference values, including GLI-2012 and Z-score



BIOMECHANICS

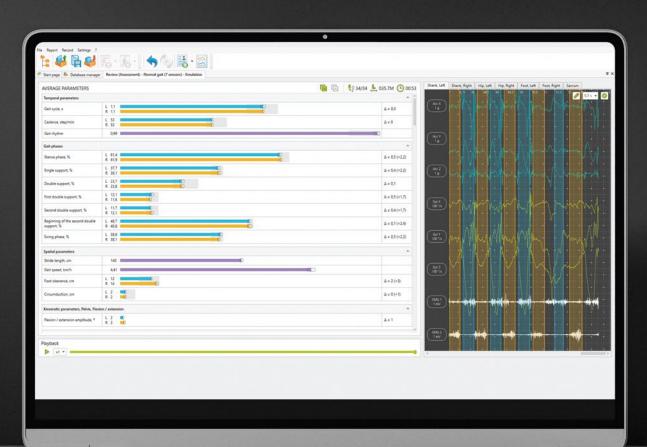
MOTION ANALYSIS
AND REHABILITATION





STEADYS-STEP

GAIT ANALYSIS AND TRAINING WITH BIOFEEDBACK





10 min turnaround between a patient to come and report generation



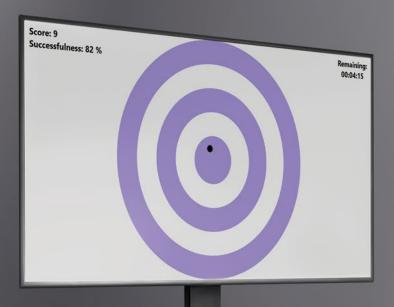
Signal acquisition is not affected by the surrounding metal constructions

ASSESSMENT

- GAIT ANALYSIS FROM SIMPLE SCREENING
 TO A COMPREHENSIVE EXAM
- UP TO 25 GAIT PARAMETERS (TEMPORAL, SPATIAL, 3D KINEMATIC) AND DYNAMIC SURFACE EMG FROM UP TO 24 MUSCLES
- INTERFACE OPTIMIZED FOR CLINICAL USE







REHABILITATION

- MOTIVATING GAMES
 FOR EFFECTIVE REHABILITATION
 OF THE POSTURAL FUNCTION
- MANUAL AND AUTOMATIC
 ADJUSTMENT OF TASK DIFFICULTY





- ANALYSIS USING IMU SENSORS
- SYNCHRONIZED EMG AND JOINT MOVEMENT ANALYSIS
- DATA EXCHANGE VIA WI-FI

STEADYS-KINEMATICS

JOINT MOVEMENT ANALYSIS AND REHABILITATION OF MOVEMENT ACTIVITY



UROLOGY DIAGNOSTICS OF LOWER URINARY

DIAGNOSTICS OF LOWER URINARY TRACT DISEASES







COMPLETELY AUTOMATED RECORDING AND ANALYSIS OF URINARY FLOW

WIRELESS AND COMPACT UFM SENSOR

ACCURACY OF MEASUREMENTS UP TO 1 g (ml)

TOUCHSCREEN INTERFACE AND BUILT-IN THERMAL PRINTER



VETERINARY

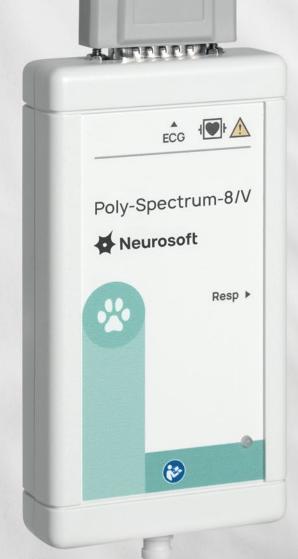
VETERINARY DIAGNOSTICS



Strong legs help the horse to be the first at finish. A healthy heart is the guarantee of constant winning. Look inside the heart of the horse and you will see what it is up to!

POLY-SPECTRUM-8/V

VETERINARY DIGITAL ECG SYSTEM FOR SMALL, MEDIUM-SIZED AND LARGE ANIMALS







Routine ECG, ECG monitoring during surgery



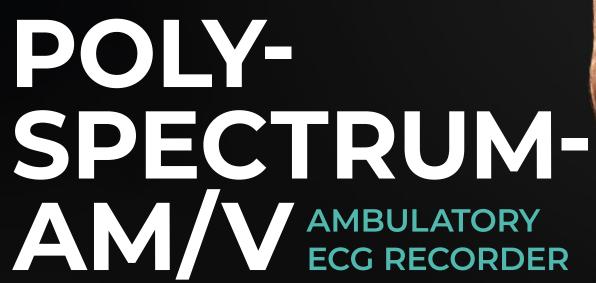
Automatic ECG analysis, calculation of parameters for different animal species (dogs, cats, horses, etc.)



Skin-safe electrodes



ECG in large animals from the standard (I, II, III) and augmented leads (aVR, aVL, aVF)





RECORDING ECG FROM 2 TO 3 LEADS

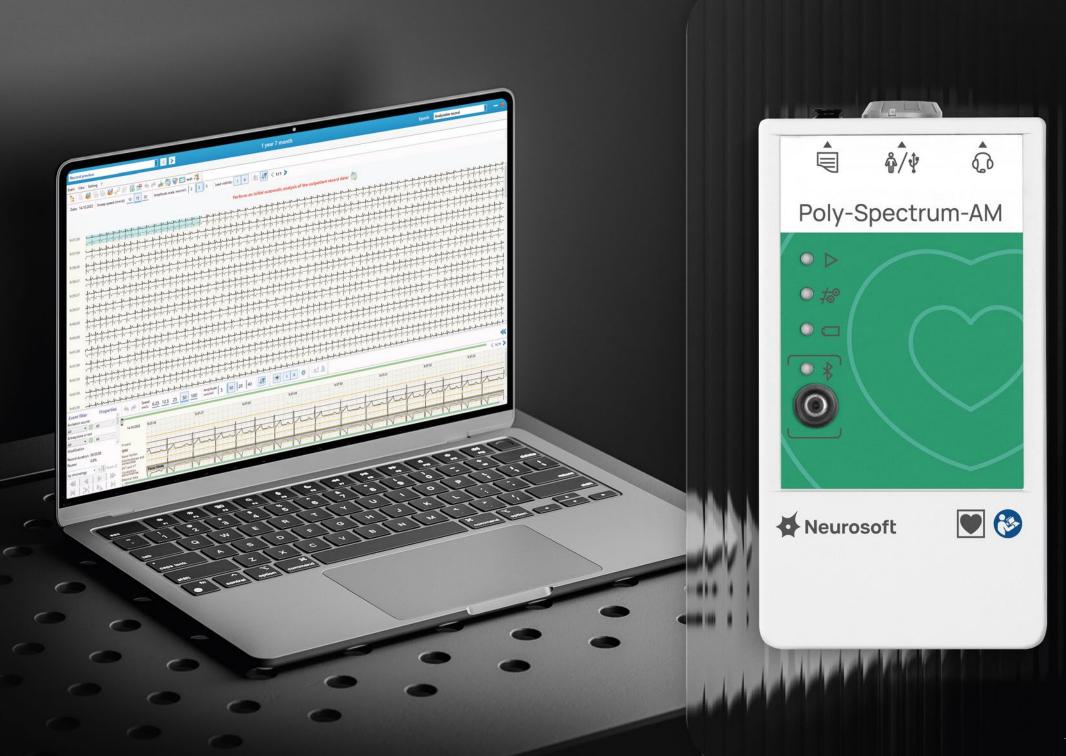


CONTINUOUS RECORDING UP TO 72 HOURS



SAFETY: AN IMPACT-RESISTANT ENCLOSURE, A SPECIAL CASE WITH COLLAR ATTACHMENT





NEURON-SPECTRUM-1/V

VETERINARY DIGITAL EEG SYSTEM





Special software with comprehensive EEG analysis for animals

epiphenomenon detection

anticonvulsant therapy monitoring

EEG monitoring in intensive care units (ICU)





ABR (BAER) test in young animal patients (three weeks and above)

Diagnostics of hearing impairment of various etiologies: genetic, associated with a disease or caused by ototoxic drug treatment

Insert earphones with different ear piece sizes supplied with the system



NEURO-ERG/V

VETERINARY DIGITAL ERG SYSTEM











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