

# NEUROWERK®

diagnostic devices made in germany



## NEUROWERK EMG

reliable · flexible · efficient

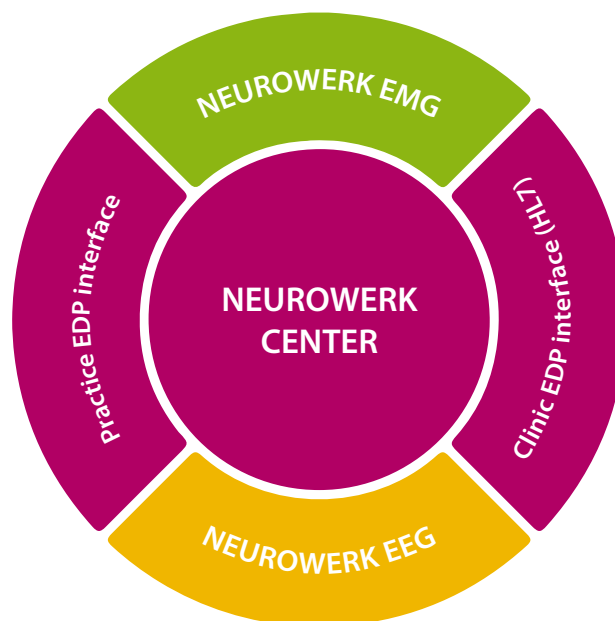
# NEUROWERK CENTER

## Central data management for EMG and EEG

NEUROWERK CENTER forms the basis for successful work with our NEUROWERK EMG and EEG systems. Thanks to its powerful SQL database, NEUROWERK CENTER provides easy access to all functions of our devices. With this software, you may clearly manage and save all examination results, both EMG and EEG, over the long term. It has never been easier to exchange measurement results and findings via an HL7 or GDT interface, or to export them as PDF documents. Your data is protected against unauthorised access by the integrated user management functions.

Compatibility with the latest operating systems, such as WINDOWS 7 and WINDOWS 10, makes NEUROWERK CENTER a lasting gain in your daily work.

- » Single data management for all examinations and findings, regardless whether EMG or EEG
- » Synchronisation of the data of mobile recording stations with the server
- » Fully automatic archiving and backup on any chosen drive
- » PDF conversion and issue of closed findings
- » HL7 order management and case number management
- » User access based on an existing Windows Active Directory
- » Filter function for examination lists and multistage evaluation of the findings
- » Processing of editing orders for video and long-term EEGs



## NEUROWERK

### Quality products „Made in Germany“

SIGMA Medizin-Technik GmbH is specialized in the manufacture and development of devices for neurological diagnostics for more than 27 years. Our EEG and EMG devices of the product brand **NEUROWERK** are 100% high quality „Made in Germany“ and are highly valued by neurologists in more than 40 countries

worldwide because of their intuitive operation and high functionality. Our range is completed by practical advanced training courses for physicians and technicians as well as by the distribution of high-quality neurological accessories.









## NEUROWERK EMG



- » Amplifier with 2 or 4 channels
- » Portable system in transport case
- » With desktop PC or notebook



## NEUROWERK EMG

### Flexible examination

NEUROWERK EMG as a complete 2- or 4-channel neurophysiological measuring system for EMG, NCV and evoked potentials provides practically unlimited possibilities for your work in hospitals or surgeries. The system incorporates all methods required in daily routine diagnostics of neurological disorders. Our complete high-grade system renders your diagnostics easier and more efficient. Benefit from our system! You can expect

utmost quality in the examination results. The tried and tested modular hardware and software concept allows customised adaptation to your needs and processes.

NEUROWERK EMG offers the ideal configuration for every application.

### Individual and flexible expandability

- » NEUROWERK RC remote control for straightforward operation
- » Second electric stimulator for triple stimulation and collision test
- » Connection of any magnetic stimulators
- » Software options: MUNIX, VEMP, etc.
- » Reflex hammer



### Fitted with the best amplifiers

- » With 2 or 4 channels
- » 24-bit A/D converter
- » 50 kHz sampling rate per channel
- » Connection for temperature sensor
- » Internally switchable reference electrode

### EMG software for flexible examinations

- » Freely configurable sequences and result tables
- » Split screen for lateral comparison
- » Export of the results to an external software (e.g. Excel)
- » Automatic selection and calculation of all parameters (latency, amplitude, area, NCV, and many more)

### Always the ideal variant

- » With up to 2 electric stimulators and 4 external triggers
- » Modular system for configuration as:
  - EMG/NCS/SEP system
  - EMG/NCS/SEP/AEP/VEP system
  - Combined unit with EEG extension
- » On instrument trolley or in transport case
- » With desktop PC/mini PC and TFT monitor or with laptop
- » As a kit for connection to an existing PC

<b>NCV</b>	motor, sensible, inching, repetitive stimulation, F wave, reflexes	<b>MEP</b>	arms, legs, facialis, incl. F wave for determination of the central motor latencies (CML)
<b>SEP</b>	arms, legs, dermatomes, trigeminus, pudendus	<b>ANS</b>	sympathetic skin response (SSR), heart rate variability (HRV)
<b>AEP</b>	early, middle and late acoustically evoked potentials (AEP), click, tone and burst-evoked stimulation	<b>EMG</b>	spontaneous, voluntary and maximum activity, triggered EMG, automatic quantitative MUP analysis, turn/amplitude analysis, single fiber EMG, macro EMG*
<b>VEP</b>	checkerboard pattern stimulation, LED goggles or flash stimulator		

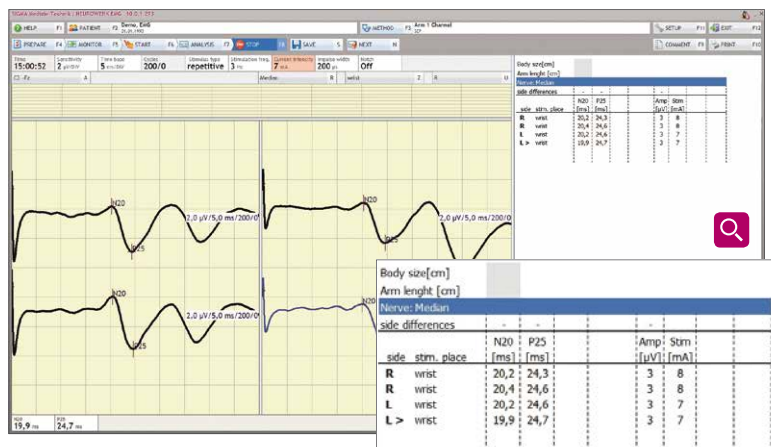
\*In development





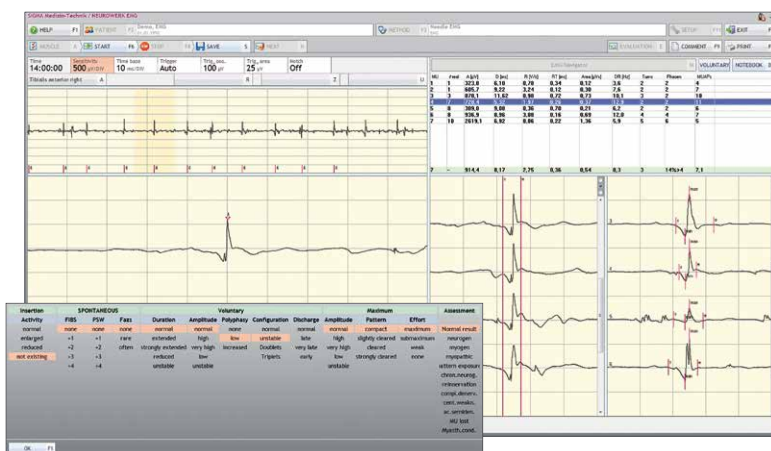
# NEUROWERK EMG

Intuitive software to meet professional demands



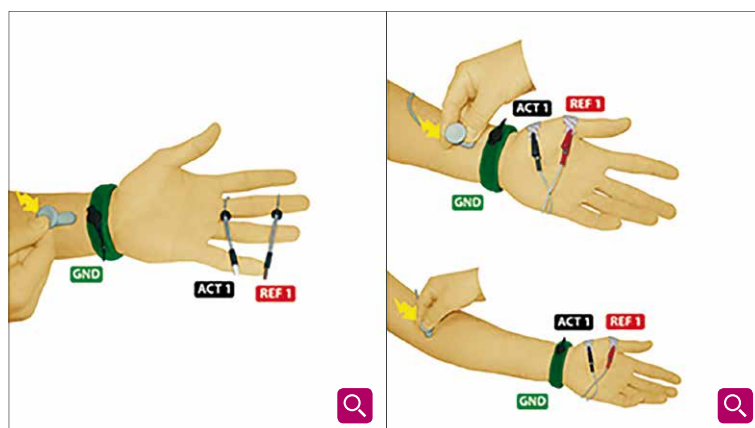
**Always all measurement values in view**

Clear representation of curves in the lateral comparison, incl. calculation of the lateral differences. The results and reports can be sent immediately to your hospital information system (HIS) or medical practice EDP via interface.



**Automatic EMG analysis**

In addition to the manual selection of motor units by the examiner, the automatic EMG analysis provides all MUPs of an EMG sequence simultaneously. Our user-friendly software is rounded off by T/A analysis and analysis of the spontaneous EMG which ensure meaningful results by calculating all relevant parameters.



**Integrated help system**

The Neuroanatomy Guide supports you in your daily work with valuable tips and thus contributes to the reliability of your examination results.



## ACCESSORIES CATALOG

### Accessories and consumables for neurology

You will find a wide variety of high-quality neurological products in our accessories catalog, such as electrodes, electro caps, sensors and pastes. We would be delighted to help you if there are any particular articles that you could not find in our assortment. If you have any general questions, please feel free to contact us at any time.

We can also adapt accessories to your device provided this is not contrary to the fundamentals of the German Medical Products Act.

- » Sales of accessories and consumables
- » EEG and EMG/NCV/EP
- » Customised products/adaptations
- » Expert consulting



## TRAINING

### Methodical training courses for physicians and medical technical assistants

As courses must necessarily concentrate on a narrow range of topics, we endeavour to accommodate to your individual wishes. Following agreement, we are able to take into account the requirements of beginners without previous knowledge, but can also brush up existing knowledge, promote confidence in methodical issues and offer valuable tips for the selection of appropriate accessories. Furthermore, we organise regular advanced training seminars with our regional sales partners.

- » Topics: EEG, EMG/EP/NCV, AEP, VEP
- » Individual topics possible by agreement
- » Offered as basic or advanced training courses
- » Can be performed either in your surgery/hospital or in our training room
- » Training video: Demonstration of electrophysiological examinations (90 min., available on DVD/USB stick)



## SERVICE

### Full service with competence

We are also at your side after installation and comprehensive familiarisation with our devices. We support you quickly and proficiently. Learn more on our website [www.neurowerk.de](http://www.neurowerk.de) or call us on workdays from 8.00 a.m. to 4.30 p.m. through our SERVICE HOTLINE.

**HOTLINE: +49 (0) 37297 – 825 – 55**  
**[service@neurowerk.de](mailto:service@neurowerk.de)**

- » Remote maintenance service for our equipment within 24h
- » Safety checks, including stimulator tests
- » Installation and support for PC networks
- » Software updates and system adaptations for existing systems
- » Customised maintenance agreements with individual contents

Distribuído por:



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