

NeuroERG

DIGITAL ERG AND EP SYSTEM



NeuroERG NEW GENERATION

For over 30 years, Neurosoft has been developing and manufacturing neurophysiological equipment. Throughout this time, we have continuously refined our devices to make your work not only more effective but also significantly faster and more convenient.

NeuroERG embodies our decades of experience in electrophysiological equipment. We understand how crucial reliable results and compliance with international standards are for your practice, so NeuroERG fully complies with the standards of the International Society for Clinical Electrophysiology of Vision (ISCEV). All essential techniques — electroretinography (ERG), visual evoked potentials (VEP) and electrooculography (EOG) — are included in the base delivery set, providing you with everything required for comprehensive and efficient diagnosis right from the start.



ALL NECESSARY TECHNIQUES
IN A BASE DELIVERY SET



30

YEARS

**IN DEVELOPMENT
OF NEUROPHYSIOLOGICAL
EQUIPMENT**

1+1

SIMULTANEOUS RECORDING
OF ERG AND VEPS



MINIGANZFELD
STIMULATORS FEATURING
BINOCULAR STIMULATION

ALL NECESSARY TECHNIQUES IN A BASE DELIVERY SET

NeuroERG NOW EXPANDS YOUR CLINICAL CAPABILITIES WITH THESE EXAMINATION TYPES:

- Dark-adapted 0.01 ERG
- Dark-adapted 3.0 ERG
- Dark-adapted 10 ERG
- Dark-adapted 3.0 oscillatory potentials
- Light-adapted 3.0 ERG
- Light-adapted 30 Hz
- Macular ERG
- Pattern ERG
- On-Off ERG
- PERG Ratio
- Photopic negative response (PhNR)
- Stepwise Sweep VEP
- Multifocal ERG (conventional, global flash, 5 rings)
- Pattern-reversal and flash VEP
- Multifocal VEP
- EOG

MINI GANZFELD STIMULATOR AND PENLIGHT STIMULATOR

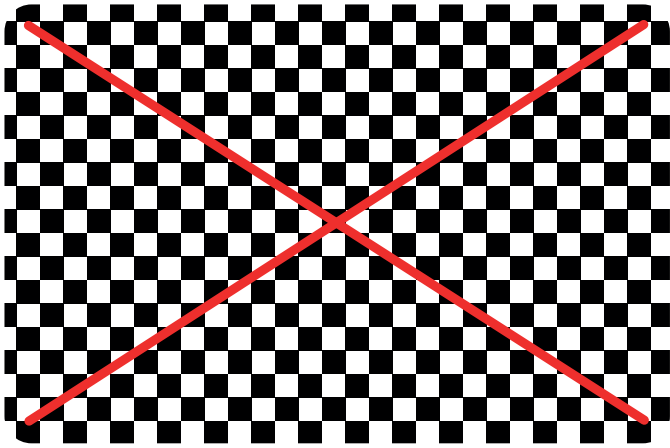
A mini ganzfeld stimulator is used to perform basic tests. To perform a macular ERG test, a penlight stimulator is used, with the option of selecting the color of the stimulation. The penlight is placed on a special holder and can be adjusted in three planes, ensuring secure stimulator fixation near the pupil.



WIDE RANGE OF ELECTRODES

The device comes with a set of unique ERG electrodes designed in the form of small hooks and loops. You can also use skin electrodes that do not require contact with the cornea and are a great alternative for patients who cannot tolerate traditional corneal electrodes.





VARIOUS FIXATION TARGETS

A cross-shaped fixation target on the monitor for pattern stimulation allows for the examination of patients with macular degeneration. Various fixation targets can also be set for different clinical situations. Animated images can be added as fixation targets for children to help them stay engaged.



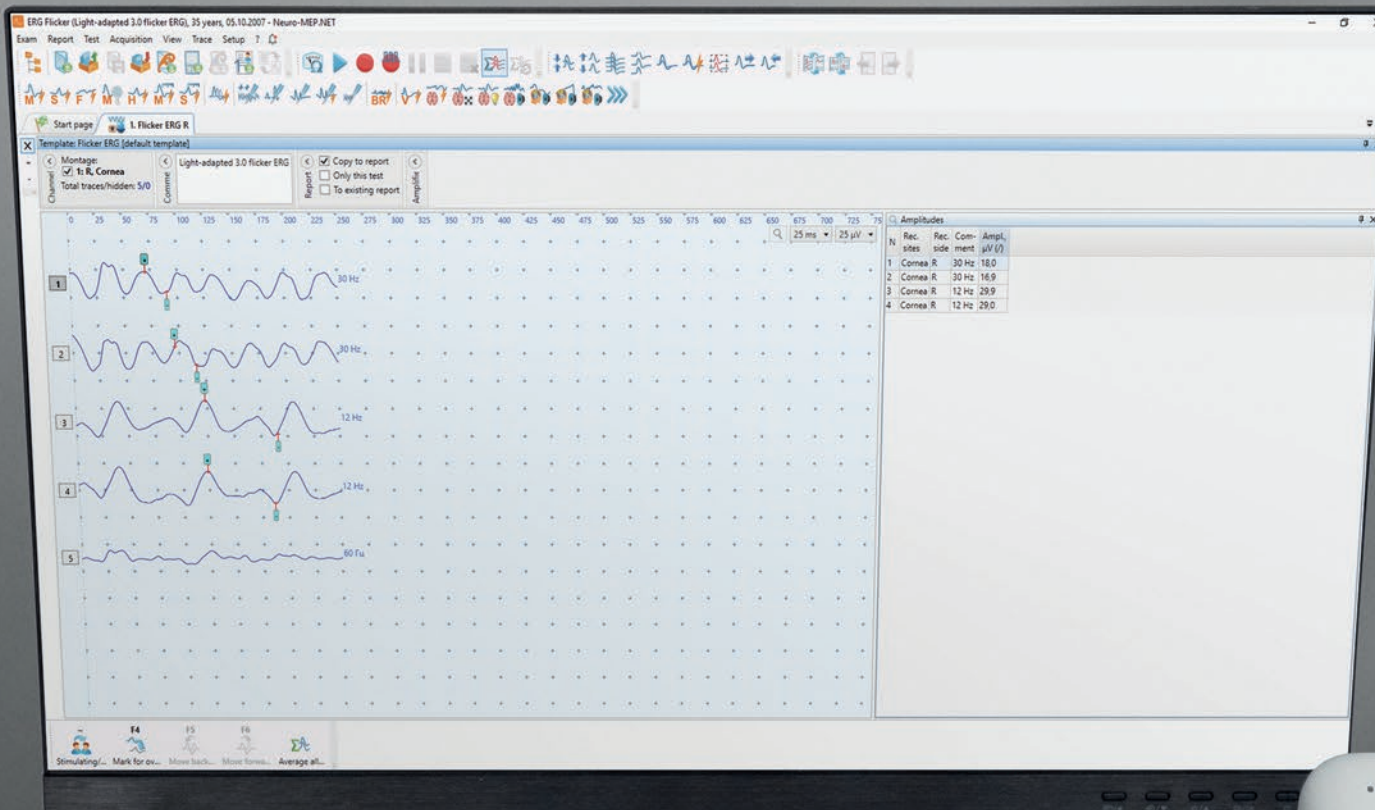
S-CONE ERG

The function of S-cones is assessed using stimulation with intense orange background light and blue flashes. This technique can be useful for the early detection of glaucoma.



MULTIFOCAL ERG





Control panel with various buttons and knobs:

- Function keys: F1-F12, Esc, Tab, Ctrl, Alt, Enter, Home, End, F5, F6, F7, F8, F9, F10, F11, F12, Num Lock, 7, 8, 9, 4, 5, 6, 1, 2, 3, 0, .
- Navigation: Left arrow, Right arrow, Up arrow, Down arrow, OK, Cancel, Stop, Play, Pause, Refresh, Print, Copy, Paste, Undo, Redo, Find, Help, About, Quit.
- Controls: Volume knob, Gain knob, Filter knob, and other specialized function knobs.



ISCEV

NeuroERG offers
ISEV-compliant ERG
testing



CHANGING THE NUMBER OF AVERAGINGS DURING THE EXAM

The system allows you to increase efficiency when used in children and patients who are unable to interact.



DELETING ARTIFACTS AUTOMATICALLY

Additionally, you can use an advanced analysis mode when artifacts can be deleted manually.



BUILT-IN FLEXIBLE AND EDITABLE SYSTEM OF REFERENCE VALUES

The software implements systems of reference values. You can set your own reference values in the form of a range, upper or lower limits of the norm, as well as an average value with an indication of the standard deviation.



VERSATILE DATABASE

All patient information, including personal data and stored examinations, is displayed simultaneously on the screen.





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