VisioSystem

Veterinary electroretinograph with variable chromatic photostimulator
VISIOSYSTEM is a complete equipment specially adapted for clinical electrophysiological recording on animals. Curves of both eyes can be recorded at the same time thanks to two adjustable photostimulators.

Small size and mobility
Very useful whatever the size of the clinic, VisioSystem is composed of separate elements:
- One amplifier for recordings all data and amplifying signals in ERG, PEV
- One Flash Stimulator
- One mobile unit

System easily operated by the personnel
Built around a powerful system, the software is very friendly and intuitive. The interface allows driving completely amplifiers, stimulating and even your printer. The software also allows making all the calculations and the treatments of the physiological signals: digitalization of the signal, the filtering, the smoothing...

Data and analysis characteristics
- Automated ERG, PEV, Flicker processes
- Memorization of all your phases of stimulation for simpler, safe and faster examinations with automatic data backup
- Number of patients and examinations by patient: unlimited
- Possibility of stacking 4 examinations on the same patient
- Possibility of drafting, protecting and printing a report
- Classification of files very simple
- Customizable parameters

Variable chromatic photostimulator

VisioSystem is equipped with four independent flashes (binocular): White, Blue, Red, and Green for the stimulation and the light.
Its two wide binocular adjustable photostimulators allow fitting easily the morphology of the animal
- Variable background illumination thanks to 4 chromatic ranges
- Intensity of flashes -35 dB to +9 dB
- Variation by step of 1 dB
- Width of variable flash controlled by software from 1 ms to 250 ms
- At 250 ms : ERG ON/OFF possibility
- Variable frequency from 0,1Hz to 30 Hz

Technical specifications
Amplifiers: Impedance of entry >1 MΩ, 4 tracks (2 PEV - 2 ERG), electronic filter: low cut filter until 300 Hz with reject at 50 Hz, patient is isolated par optocouplers and tension transformers.

Computer: Windows compatible for desktop and laptop
Recommended active electrodes: LAZARD's electrodes (ARVO 98)
Recommended head contention device: LAZARD's contention device (ISCEV98)
Connection via USB 2.0