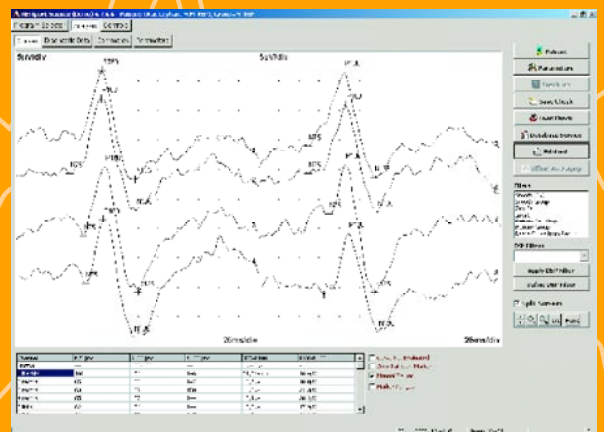


easyVEP

ISCEV: Pattern VEP & Pattern ERG
Glaucoma Screening

ROLAND's objective diagnostic tool,
for the Function Diagnosis
of the Optic Nerve and the Macula

Made in Germany



Certification
Quality Management System
EN ISO 13485:2003
EN ISO 9001:2000



**ROLAND
CONSULT**

Elektrophysiological diagnostic systems

easyVEP

ROLAND's objective diagnostic tool, for the Function Diagnosis of the Optic Nerve and the Macula

easyVEP – the mobile system for tests of the Optic Nerve and the Macula – is a 2-channel set-top box for the professional measuring of physiological signals generated from the optic nerve after a chequerboard pattern reversal stimulus at constant contrast and for early detection of Glaucoma and progress indication. **easyVEP** can very easily be connected to any existing windows computer or laptop via USB.

Made in Germany

Glaucoma Screening:

- Function Diagnosis of the retina and the ganglion cells and uncovering of missing ganglion cells
- Comparison of upper and lower hemifield with age-related normal subject according to a database -> early detection
- Results are independent from the patient's attention
- Test of 2 eyes in parallel
- Avoidance of deviations related to age, cataract or refractive problems through the analysis of both hemifields
- early detection and progress indication, also in case of vascular retinal degeneration
- useful device for the monitoring of visual functions before and after cataract and posterior segment surgeries

PVEP & PERG:

- Standard examinations and values
- Integrated impedance measuring
- Automatic artifact rejection
- Special pictures for children
- Automatic setting of all markers
- Integrated Database
- Network-compatible
- Different chequerboard sizes

Examinations:

- Glaucoma Screening
- Pattern VEP + Pattern ERG according to ISCEV

Stimulator:

- 19" TFT Stimulator Monitor

easyVEP USB datalogger top box:

EMG Amplifier

- 2-channel amplifier
- type BF according to IEC 60-601
- digitally controlled amplifier
- input impedance 2 x 100 Mohm
- noise level <4 V ss
- common mode rejection <110 dB
- sensitivity 2 V/Div to 20 mV/Div
- high pass 0,02 Hz to 1 kHz
- low pass 20 Hz to 10 kHz

24 bit ADU converter USB interface 2.0

- connection to each PC

Option: up-to-date notebook

- technical features improve in line with technical progress

Minimal system requirements for connected computer/laptops:

- Single-Core Processor with 1,6 GHz
- Windows
- 256 MB RAM
- Resolution of 1024 x 768
- 5 GB free hard disk space
- CD-ROM

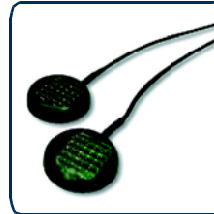
Scope of supply



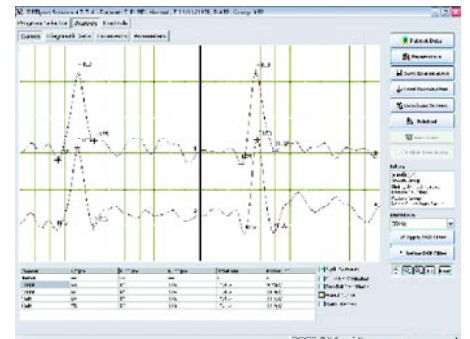
optionally:



Pattern Handheld for Mini-Chequerboard



Flash Goggle for closed eyes



Pattern VEP



Elektrophysiological diagnostic systems

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