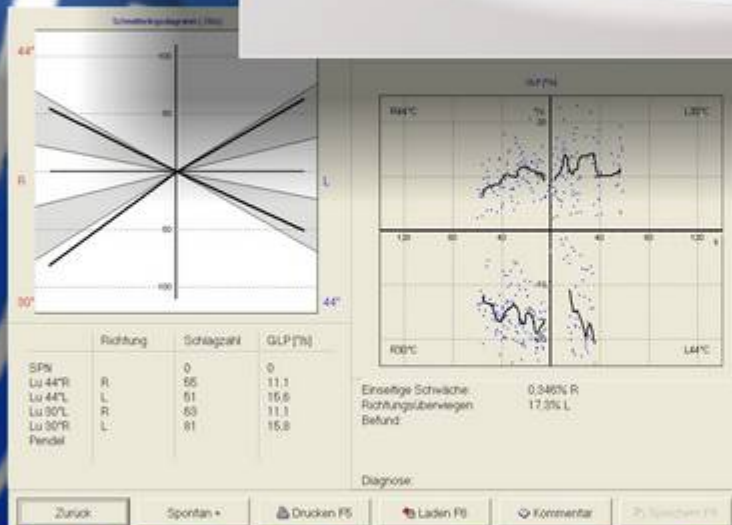


VNG 4000

video nystagmografie



VNG 4000

In the field of vestibularis-diagnostic HOMOTH breaks new ground. The new developed VNG 4000 module corresponds to all requirements of most modern vestibularis diagnostic. It is designed under terms of the latest knowledge of computer technology. The operation is completely menu controlled, so the use is very comfortable, especially by untrained medical staff. The eye-movement of the patient is recorded by a small light weight camera and converted into graphs in real time. The measurement is always a two channel examination (horizontal and vertical), the artefacts are suppressed automatically. The video-mask is used for partial freesight- and dark-measurement.

The real time measurement allows watching the entire progress online on the monitor. The evaluation can be done automatically by the computer. In addition, a manual evaluation or a correction of the automatical evaluation is possible.

The fade-in of standard areas within the butterfly diagram allows the quick assignment of measurement-results. All the results can be stored space saving on hard disk using a paradox format file.

The comfortable HOMOTH EDP-connection allows a quick and trouble-free transfer of the data to a central EDP system.

All measurements result as well as all curves and data can be printed out for documentation or for patient' s letter of referrals.

It is a system lasting into the future for a lot of years, because all changes in diagnostic demands can be updated or upgraded by software-download from the Homoth-homepage.

Technical data

System:	combination mask for partial free-sight- and dark-measurement with composite adaptation to a PCI frame grabber card
System requirements:	Pentium PC min. 2000 MHz, USB 2.0 port, Window 98, ME, 2000, XP
Method:	2 channel measuring with realtime recording and artefact suppression horizontal and vertical. 1. spontaneous nystagmus 2. caloric test 3. postion test
Signal resolution:	0,1 degree at 704 x 288 pixel
Signal rate:	50 Hz
Infrared light:	950 nm (limited after DIN EN 60825-1)
Focus adjustment:	one-hand operation with cardanic mounting
Measure time:	pre-selected 60, 90, 120, 150 sec.
Evaluation:	selectable - manual or automatic - with individual correction possibility 1. knowledge of the nystagmus direction 2. evaluation of the culmination phase 3. knowledge of the nystagmus numbers 4. evaluation of the velocity of the slow phase
Result presentation:	1. nystagmus curves at a max. lenght of 3 min. 2. magnifying function for small nystagmen 3. as a butterfly diagram 4. in table-form
Accessories:	2 video masks with cable powerpack 1 PCI framegrabber 1 dongle 1 installation CD 1 instruction manual

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