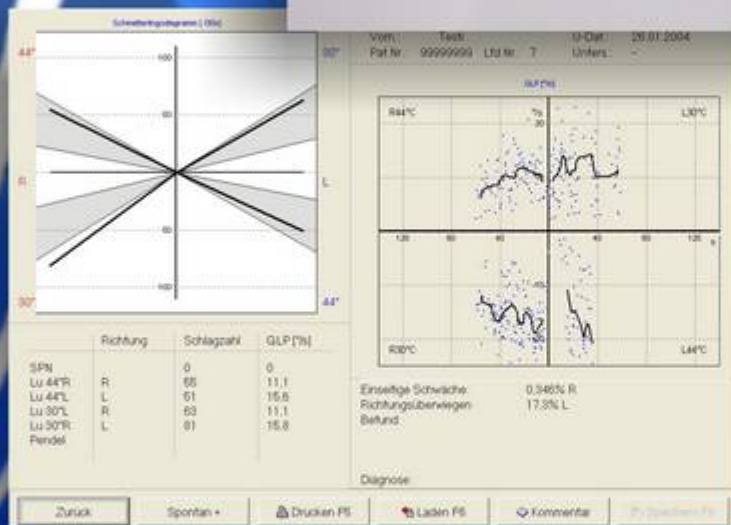


ENG 4000 electro nystagmografie



we are one of the
 leading companies
 in the field of ENT diagnostics
 - worldwide -

ENG 4000

The new developed HOMOTH ENG 4000 2-channels module corresponds to all requirements of the modern vestibularis diagnostic. It is designed considering the latest knowledge of computer technology. The operation is complete menu controlled, so the usage is very easy, especially for untrained medical staff.

The calibration contains the individual adaptation of the patient to the measuring system will be completely done by the computer. The real time measurement allows watching the entire progress online on monitor. The evaluation is done automatically by the computer, a manual evaluation or correction can be switched on, if needed.

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

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

Measurement results as well as all curves and data can be printed out for documentation or for patient-referrals.

It is a system which lasts into the future for a lot of years, because all changes in diagnostic demands can be updated or upgraded via softwareupdate online from the Homoth-homepage.

Technical data

system:	autarkic mikroprocessor-measure-system with adaptation via USB 2.0 -port with highest patients-safety.	
system requirements:	Pentium PC min. 500 MHz, USB 2.0 port, Window 98, ME, 2000, XP	
standards:	EN 60601 - 1 / 1-1 / 1-2 and MPG rules	
method:	2 channel measuring with realtime recording. Horizontal and vertical. 1. calibration 2. spontaneous nystagmus 3. caloric test 4. individual tests	
time constants:	selectable, DC, 0,2 sec, 2 sec, 5 sec	
upper frequency limit:	30 Hz	
amplification:	80 dB	
common rejection:	> 100 dB	
signal resolution:	12 bit	
scanrate per channel:	100 Hz	
electrodes test:	automatic impedance measuring of the single electrodes.	
calibration:	with automatic electro-optic via calibration bar	
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	
power pack:	13,2 V 15W	1 calibration bar with stand
accessories:	1 measure cable with 5 clamps	1 power pack
	1 bag standard electrodes 50pc	1 instruction manual
	1 set cables	

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