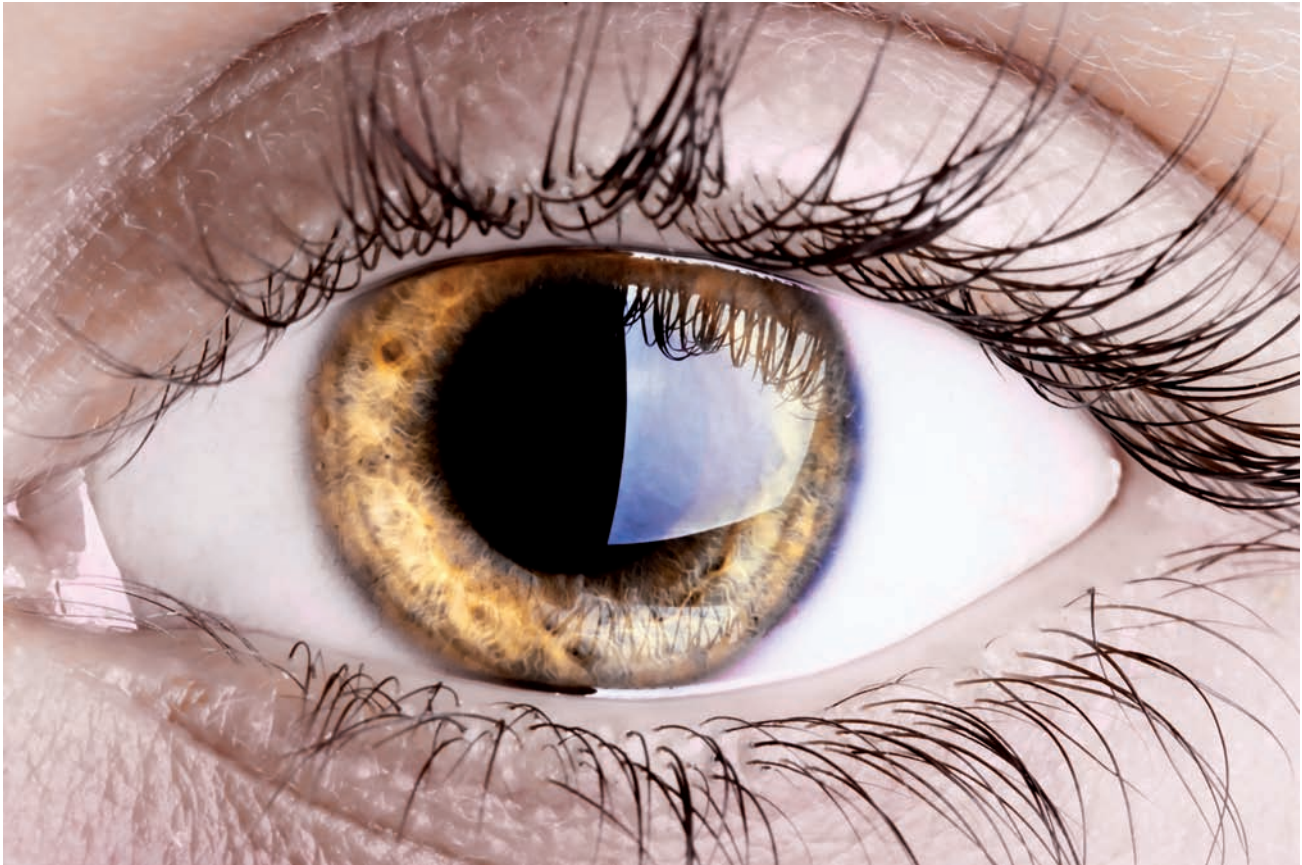




leading diagnostic solutions



New *FireWire*[®] VNG system

delivers

- Fast - Eye tracking at 105Hz binocular, 174Hz monocular
- Accurate - high resolution, powerful analysis
- Portable - direct goggles-to-PC video-transfer
- Integrated - OtoAccess database, print, export



The new VO425b reduces your test time in half through its FireWire Connection benefits offering a rapid sampling rate, Real Time Analysis, and Flexible Configuration.

Includes Laptop Computer and Printer

AUDIOMETRICS INC.
1-800-326-2706

General Technical Specifications

Standards:

EN60601-1 (General safety)
EN60601-1-1 (Safety of system)
EN60601-1-2 (EMC)

Medical CE-mark:

Interacoustics A/S meets the requirements of the Annex II of the Medical Device Directive 93/42/EEC. Approval of the quality system is made by TÜV – identification no. 0123.

System:

VNG Firewire@Laptop
IBM ThinkPad T61: Intel Pentium 1.8 GHz
Built-in FireWire® Port
Operating system: Windows XP Professional
Memory: 1024 MB
Hard drive: 80GB\Media Storage devices: CD/
CD-RW
Display: 14.1" (1280 x 800)

Examination Templates:

Several default examination templates included. As many examination templates as desired may be designed and added by examiner.

OtoAccess™ Database:

Database: SQL
Data format: XML
Full network capability
Unlimited storage. Patient demographic data.
Patient Journal.
May also include data from Interacoustics® audiometers, impedance audiometers, and hearing aid analyzers.
Easy back-up function.

Recording:

Monocular/2 channel up to 105Hz and binocular/4 channel up to 174Hz.

Data Acquisition:

Method: Infra-red illuminated eye image captured by camera module.
Tracking: From cross hair movement.
Dynamic Range: +/- 30 degrees horizontal and +/- 25 degrees vertically .

Data Analysis:

Real time analysis with eye velocity determined from each data point, providing continuous appraisal of eye movement patterns. Discrete analysis offers appraisal of each nystagmus beat and may be preferable in cases of sporadic or weak nystagmus responses.

Visual Stimuli available:

- Colors and targets entirely user defined.
- Optokinetic - horizontal and vertical stimulation available. User designed jpeg stimuli can be imported. Also chessboard, stars and stripes available. User defined stimuli for Pediatric testing.
- Smooth pursuit - sinusoidal/linear, with or without acceleration.
- Saccade - horizontal/vertical.
- Gaze.

Reports:

One page displaying statistical data for four tests.
One page holding traces, display diagrams, statistical data for one test.
Easy to use templates with default settings for audiology and oto-neurology clinics.

Normative Data:

Implemented in software. Included in the systems software with Saccade, Smooth Pursuit, OPK and Bithermal Caloric.

Networks:

May be connected to a network. Then testing may be monitored from any reader station. Subsequent editing, including nystagmus analysis may be carried out from any networked PC.

Help:

On-line help through electronic operation manual.

Number of tests per session:

Unlimited.

Number of sessions per patient:

Unlimited.

Video Recording:

Synchronized replay and curve display including sound
Buffered recording
Unlimited recording period
Export function
Fast/normal/slow motion replay mode

Manual Nystagmus Edit Function:

Add or remove nystagmus
Redefine culmination phase

Included Parts VO425b:

Installation CD
Combi mask
Computer package (listed above)
Disposable combi mask pads - includes 1 box/24 pieces
Infared remote control
Firewire hub with power supply
Video projector
Choice of Ceiling mount or projector stand
Otoaccess™ database software
Warranty card
Operation manual

Options VO425b:

Isolation transformer
Irrigator
Additional foam for Combi Mask
Anthro Cart
Projection Screen

