



HORTMANN Video CNG Analyser

Videonystagmography (VNG) with CNG Analyser Software

VNG measures eye movements using miniature video cameras attached to the sides of a mask and recorded by image processing software - the eye movements are displayed in real time on a PC monitor. VNG eliminates the need for electrodes and facilitates diagnosis by providing high quality digital recordings for quick and easy review.

Our VNG module is supplied together with the easy-to-use CNG Analyser Software, a power unit, an analyser unit, and ergonomically designed goggles (with cover). This compact solution for vestibular testing requires a Medical PC; comprehensive software and hardware options enable it to be used in medical practices, clinics and for scientific research. In the basic version, the spontaneous, caloric and user-defined tests are available. With the addition of the optional Video Target System, it is possible to perform the optokinetic, smooth pursuit and saccadic tests. Our VNG and PDS 12 Rotary Reclining Chair systems complete the vestibular test battery for investigating the source of dizziness.



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Technical specifications

Infrared video cameras

Standard	CCIR
Resolution	537 x 505
Scanning rate per channel	50/sec.
Supply voltage	12 V=
Infrared wavelength	950 nm
Infrared luminance	below the MPI (maximum permissible illuminance) as defined by EN 60825

Video CNG Analyser unit

Serial interface	RS232C, electrical insulation to the PC of 4 kV
Switchover	for left and right camera

Power unit

Output voltage	+12 V (analog part) and +5 V (digital part)
Dimensions (both units)	180 x 296 x 60 mm (W x D x H) 7.1" x 11.7" x 2.4"

CNG Analyser software

CNG Analyser software 2	Tests: spontaneous, caloric, user-defined tests (e.g. position and positioning)
CNG Analyser software 3	Tests: same as CNG Analyser 2, with the following additions: optokinetic, smooth pursuit, saccadic and rotational chair tests
CNG Analyser software 4	Tests: same as CNG Analyser 3, but with 4-channel ENG module

Details about the Video Target System and the PDS 12 Rotary Reclining Chair System can be found in our HORTMANN Vestilab brochure.

For further information, please contact:

