



## For rotational vestibular examination with standardised or programmable tests

The HORTMANN PDS 12 combined with the easy-to-use Vestlab software is designed to deliver precise, computer controlled rotational stimuli to the vestibular system. All common rotational and pendular tests can be performed quickly and easily with this advanced system. The Windows-based software also allows you to configure your own tests using variable parameters.

The chair features a powerful drive capable of high-speed rotational testing up to 250° per second. The backrest of the PDS 12 can be tilted to 30° for caloric stimulation or reclined to the horizontal position permitting a wide variety of diagnostic examinations. Twenty four low-noise slip rings are supplied with the PDS 12 permitting the recording of ENG by means of electrodes and VNG using our video goggles. When used in conjunction with our covered video goggles, no enclosure is necessary.

Quick and easy rotational and pendular tests

One furniture for performing caloric and positioning tests

Easy connection of ENG and VNG equipment

Comprehensive and easy-to-use software

User configurable tests



## Technical specifications

<b>Tests</b>	RIDT (Rotational Intensity Damping Test), trapezoidal, pendular dampened and undampened, cervical
<b>Adjustable parameters</b>	
<b>RIDT</b>	Acceleration and deceleration programmable up to 100°/sec <sup>2</sup> (standard 3°/sec <sup>2</sup> ); Constant speed programmable up to 250°/sec. (standard 90°/sec.)
<b>Pendular</b>	Frequency, period duration and amplitude (standard 6, 20 sec., ±180°)
<b>Cervical test</b>	Deflection and deflection time (standard 60°, 30 sec.)
<b>Electro-mechanical</b>	
<b>Motor drive</b>	Direct current motor with tacho-generator
<b>Motor control</b>	4-quadrant controller
<b>Max. velocity</b>	250°/sec.
<b>Brake</b>	0.3 sec. from 250°/sec.
<b>Number of slip rings</b>	24
<b>Slip ring interference voltage</b>	Type 1 µV (5 µV max.)
<b>Power consumption</b>	345 VA
<b>Power supply</b>	AC 50 Hz / 230V
<b>Space requirements</b>	Upright 100 cm; reclining 180 cm (diameter)
<b>Height (without headrest)</b>	150 cm
<b>Weight</b>	approx. 98 kg

Used with HORTMANN Video Target System, visual stimulation is added for performing optokinetic, smooth pursuit and saccadic tests. Motion patterns and speed are available.

Also refer to the HORTMANN solutions overview to learn more of comprehensive stimulation, acquisition and measurement analysis from GN Otometrics.

Hearing Assessment    Fitting Systems    Balance Assessment

GN Otometrics, Europe. +45 45 75 55 55. info@gnotometrics.dk  
 GN Otometrics, North America. 1-800-289-2150. sales@gnotometrics.com  
 www.gnotometrics.com