



HORTMANN PDS 12

For rotational vestibular examination with standardised or programmable tests

The HORTMANN PDS 12 combined with the easy-to-use CNG analyser 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, electrodes or video camera are necessary.



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Technical specifications

Tests and adjustable parameters	RIDT (Rotational Intensity Damping Test), trapezoidal, pendular damped and undamped, cervical
RIDT	Acceleration and deceleration programmable up to 100°/sec ² (standard 3°/sec ²); Constant speed programmable up to 250°/sec. (standard 90°/sec.)
Pendular	Frequency, period duration and amplitude (standard 6, 20 sec., ±180°)
Cervical test	Deflection and deflection time (standard 60°, 30 sec.)
Electro-mechanical	
Motor drive	Direct current motor with tacho-generator
Motor control	4-quadrant controller
Max. velocity	250°/sec.
Brake	0.3 sec. from 250°/sec.
Number of slip rings	24
Slip ring interference voltage	Type 1 µV (5 µV max.)
Power consumption	345 VA
Power supply	AC 50-60 Hz, 115/230 V
Space requirements	Upright 100 cm; reclining 180 cm (diameter)
Height (without headrest)	150 cm
Weight	approx. 98 kg

Additional details about the Video Target System and other options for vestibular testing can be found in our HORTMANN Vestilab brochure.

For further information, please contact:

