

Ellipse Chair

The fully integrated urodynamic measuring station



Ellipse Chair – the optimum design for urodynamic measurements

Fully integrated and thought out right down to the smallest details

The concept of a fully integrated urodynamic measuring station: all analysis units such as the flow transducer, catheter puller and pressure sensor are fixed to a urogynaecology chair base. They move with the chair each time it changes position. With the Ellipse Chair, the entire spectrum of analytical measurements can be carried out in just one sitting.

Further advantages:

- measurements can be taken in a sitting, lying or standing position
- high-quality and reproducible measurement results
- artefacts are minimised
- relaxed examination procedure for patients

The Ellipse Chair also has a series of economic arguments in its favour:

- quick, convenient and cost-effective examinations
- short advance fitting and retrofitting times
- multiple uses thanks to optional accessories

Measuring methods

- Flow measurement using the ICS terminology
- EMG flow measurement with useful sound effects (biofeedback)
- Cystometry with various different pressure transducers and microtip catheters
- Measurement of flow pressure without changing the measurement program
- Urethral pressure profiles under rest and stress conditions
- Cough Leak Point (CLP)
- Vasalva Leak Point Pressure (VLPP)





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01 Ellipse control panel

The Ellipse system is the heart of the urodynamic measuring station. With a pressure-sensitive and position-sensitive membrane keyboard, it provides doctors with a system which is incredibly easy to operate. All ICS-standard examinations can be performed easily and conveniently.

03 Volume transducer

Provides space for two infusion bottles. The continuously-variable H₂O pump guarantees precise infusion volumes, even at rates of less than 5 ml/min.



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02 Catheter puller

For generating urethral pressure profiles. The pull speed can be regulated and the pull direction can be optimally aligned with the patient's urethra. The sterile puller bow and the MTC connection can also be used as catheter or tube holders for cystometry.



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04 Pressure sensors

They are firmly attached to the chair on bladder level position and keep level with the patient even when the height of the chair is changed. Pressure artefacts are practically impossible.



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05 Flow system

Positioned exactly beneath the cut-out in the seat cushion – ideal for taking measurements with the patient in a sitting position. Can be swivelled outwards for measurements in the standing position. The extremely high resolution of measurement values can even display uroflow volumes of 1 ml.

06 Ellipse – connectivity

The Ellipse can be connected to a PC (either with a cable connection or wirelessly) by means of a network connection, via Bluetooth or with a USB stick.



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Ellipse Chair in combination with AUDACT software



AUDACT combines the Ellipse Chair with your EDP system

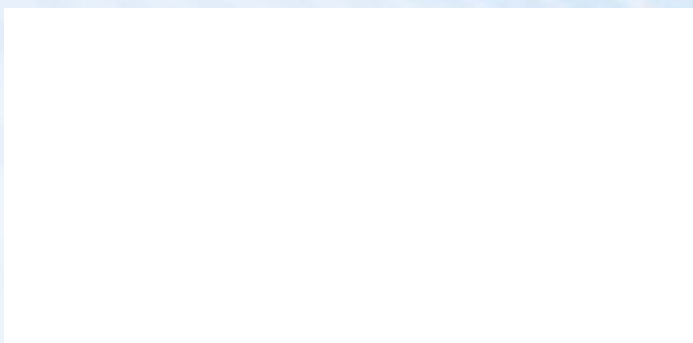
- AUDACT is analysis software with a database, used for the administration and documentation of urodynamic measurements.
- »AUDACT Easy« is an introductory version of the software, supplied free of charge with every Ellipse system.
- »AUDACT Pro« offers maximum convenience and flexibility in the analysis and administration of measurements.



Catheters for all methods of urodynamic measurement

ANDROMEDA offers a comprehensive range of catheters and other consumable articles suitable for use with the Ellipse.

Your authorised ANDROMEDA dealer



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