



[Ellipse]

The modular urodynamics system

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Analysis at the touch of a button



Quick, precise and efficient diagnosis

The Ellipse system allows all ICS-standardised examinations to be carried out easily and comfortably, delivering the entire spectrum of analytical measurements in just one sitting. High sampling rates maximise measurement density, while an artefact detector identifies and compensates for irregularities occurring during the examination. Powerful integrated software generates high-contrast graphic curves, thus facilitating a sound diagnosis.

Ellipse can be progressively extended in its use by combining standard components with application-specific assemblies. Updates covering new analysis methods are easily integrated into the system, ensuring its long-term utility.

Benefits at a glance:

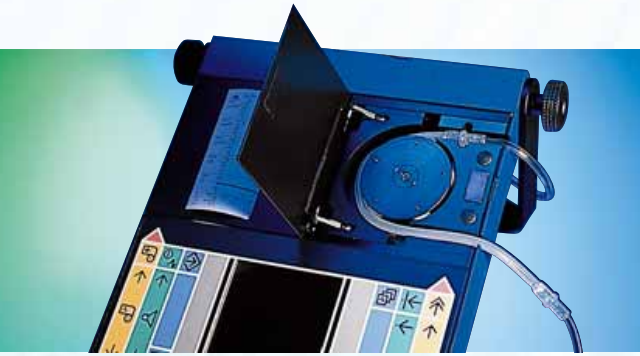
- High-quality reproducible analyses
- Brief and comfortable examinations
- Cost-effective and easy to operate
- Individual system configuration



Volume transducer

Attached firmly to the stand, designed for use with two infusion bottles

A fully adjustable H2O pump accurately controls infusion volume down to a tolerance of less than 5ml/min.



Ellipse control panel

Reliably easy operation via pressure and position-sensitive foil panel.

All operating instructions in plainly readable text.

The panel is entirely water-proof. Network compatible – also WIRELESS.



Catheter puller

Used to generate urethra pressure probes. Pull speed can be regulated as required. The sterile puller bow and the MTC connection can also be used as catheter or tube holders for cystometry.



Measurement channels and interfaces

In addition to measurement channels for pressures, flow, volumes and EMG, the Ellipse comes equipped with interfaces for the catheter puller, an external VGA colour monitor, keyboard and Ethernet connection.

Flow system

Adjustable in both height and swivel action, allowing micturition in a comfortable standing position, also in combination with the Ellipse micturition chair.

Extremely high measurement sampling rates – plus identification and compensation of artefacts.

A single system for the entire spectrum of analysis

Flow measurement – automatic evaluation of flow measurement based on ICS terminology

EMG flow measurement – with useful sound effects (biofeedback) for analysis of sphincter behaviour during uroflow

Cystometry (Pves, Pabd, Pdet) – using external pressure transducers and/or microtip catheters (MTC) for automatic calculation of detrusor pressure

Pressure flow measurement – without reselection of programmed routine for Chess, Linear, PURR and ICS nomogram evaluation

Urethra pressure profiles – under calm and stress conditions with parallel recording of Pves, Pura and other pressures. Evaluation of pressure profiles includes transmission factors and depression quotients

CLP – minimally invasive measurement of stress incontinence by means of Cough Leak Point Pressure (CLPP)

Rectal manometry – with up to eight channels

Aesophagus manometry – with up to eight channels

Technical specifications of the Ellipse

- 8 pressure channels
- 2 flow channels
- 2 EMG channels
- 1 volume channel
- Measurement routines: user-defined, unlimited number
- H2O roller pump: integrated in the basic unit
pump velocity: 1 – 200ml/min.
- File format: ICS standard
- Optional: CC-EMG module, CLiPPer, wireless communication
- Power supply: 90 - 240 V AC, 50 - 60 Hz
- Certification: CE, FDA, JIS



Combination with AUDACT

AUDACT is an analysis software and database used to administrate and document urodynamic measurements.

»AUDACT Free« 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.

»AUDACT Video« perfects what is possible in urodynamic measurements by synchronously combining measurement values with video sequences.



Catheters for all methods of urodynamic measurement

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

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