

# Ellipse

The functional urodynamics system



# Ellipse – a functional design for urodynamics

## Fast and flexible for accurate diagnosis

The Ellipse system allows all ICS-standardised examinations to be carried out quickly 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 from these measurements, facilitating a sound diagnosis. By combining standard components with application-specific assemblies, the Ellipse can be progressively extended. Updates covering new analysis methods are easily integrated into the system, ensuring its long-term utility.

### Benefits at a glance:

- High-quality, reproducible analysis
- Brief and comfortable examinations
- Cost-effective and easy to operate



## Ellipse – 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 the 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 the programmed routine for Chess, Linear, PURR and ICS nomogram evaluation.

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

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

**VLPP:** Valsalva Leak Point Pressure study.

**Rectal manometry:** with up to eight pressure channels and 3D sphincter analysis.

**Video urodynamics:** all measurements can be combined with EMG and video technology.



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#### 01 Ellipse control panel

Simple and reliable operation by means of a pressure-sensitive and position-sensitive console. All operating instructions in plain text. The entire range of measurements can be carried out whilst wearing examination gloves.



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#### 02 Ellipse – connectivity

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



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#### 03 Ellipse – pump

The integrated roll pump is very quiet in operation and can operate in an infinitely variable range from 1 ml/min to 200 ml/min.



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#### 04 Ellipse – remote operation

This gives you the freedom to control everything either close to the patient or from a safe distance behind the radiopaque screen.



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#### 05 Volume transducer

Attached firmly to the stand, with space for two infusion bottles. A continuously variable H<sub>2</sub>O pump accurately controls infusion volume, even allowing rates of less than 5ml/min.

#### 06 Catheter puller

Unique bow technology avoids cross-contamination. 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.



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#### 07 Flow system

Adjustable in both height and swivel action, allowing micturition in a comfortable standing position, as well as in combination with the Ellipse micturition chair. Extremely high measurement sampling rates – plus identification and compensation of artefacts.



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## Ellipse in combination with AUDACT software



### AUDACT combines Ellipse with your EDP system

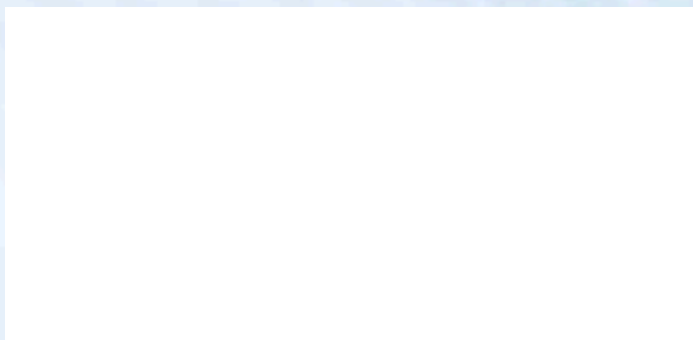
- AUDACT is analysis software with a database, used for the administration and documentation of urodynamic measurements.
- »AUDACT Easy« is an introductory version of the software, supplied free of charge with every Ellipse system.
- »AUDACT Pro« offers maximum convenience and flexibility in the analysis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

### Your authorised ANDROMEDA dealer



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