



Uromic Jive

Urodynamic system



The Uromic Jive is a compact 5-channel device for functional diagnostics in urology, urogynecology, gastroenterology and other fields.

It is mounted on a height adjustable stand that allows working either from a seated or standing position.

The system includes all key components such as: control PC with touch screen, waterproof/infection control friendly keyboard, accurate cystometric pump, height adjustable transducer holder and waterproof profilometry puller.

There is an inbuilt module for wireless connection of DanFlow 3000 uroflowmeter.

The Jive is also available as inbuilt unit into a multi function examination couch with 3 motors controlling the seat position. This system is controlled by a standard notebook computer.



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Urodynamic diagnostic system Uromic Jive

– technical data

New technical solution offers 5 universal channels that can be used for measurements of whole range of biomedical values. Additional uroflowmetric transducer can be connected wirelessly by protocol on 866 MHz band.

One or two uroflowmeters with weight transducers, 3 pressure transducers (T-DOC, Micro Tip or standard water column transducers) and EMG modules with external preamplifier can be connected for urodynamics.

4 channel anorectal or esophageal manometry can be used also with profilometric puller.

Measured and processed data are saved into integrated database, the device can be connected to computer net, printer including color laser printer is connected wirelessly (WiFi).

• Uroflowmetry

Transducer type: weight transducer
Flow range: 0–50 ml/s, Vol. 0–900 ml
Accuracy: ± 5 % from range

• Pressure

Number of channels: 1–5
Transducers: T-DOC Air charged; standard water column transducers, disposable or reusable with dome, disposable or reusable Micro Tip transducers

Measurement range: –50 - +250 cm H₂O
Accuracy: ± 6 % from range

• EMG

Measurement: external modules with integrated preamplifier on a cable with replaceable electrodes
Frequency: 1 Hz - 10 kHz (–6 dB)
EMG processing: EMG envelope, EMG curve

• Puller

Waterproof with sterilizable holder of catheters
Pulling-out speed: 0,5; 1; 2; 3; 4; 5 mm/s
Accuracy: ± 3 % from range
Usable length: 200 mm

Cystometric / Profilometric pump

Range: 0,5–100 ml/min

• Control system

Panel PC system with a 17" touch screen integrated into height adjustable trolley

Waterproof keyboard with touchpad

Documentation unit: wifi printer

• Diagnostic protocols

Programmable with user friendly software for definition in all 5 channels, 2 controllable units (cystometric pump, puller)

Application software: Urosoft ver. 2.5

• Basic software

UFM
Filling and miction cystometry
PQ study, analysis, Schaffer, Chess, A–G, ICS, BLAIVAS
PURR, LPURR, URR, Stress profile, QLPP (conductivity)
Leak Point Pressure (ALPP, VLPP, CLPP)
Video LPP, UPP, 4 channels UPP, anorectal manometry, EMG and EMG biofeedback

• Optical module for original method of leakage examination (VLPP)

Flexible endoscope with camera on its tip for watching foramen of urethra with additional LED diode lighting

• Software for data recording (measured and image data)

DigiPict 2.0, Uro-Viewer

• Dimensions:

Height of keyboard: 77–105 cm
Height of system: max. 160 cm
Width: 65 cm
Depth: 65 cm
Weight: 16–21 kg (depending on equipment)
Language: Czech, English, German

• Safety:

IEC 60601-1, Class I, type BF (Medical Electrical Equipment)
CE0434-marked (EU medical device direct 93/42 EEC)
Voltage: 230 V ± 10 %, 50/60 Hz
Supply: max. 300 VA

