



Uromic Samba Easy

Uromic Samba Urodynamic System – Product overview



Uromic Samba is a compact and ergonomic 8-channel device for urodynamic studies in Urology, Urogynaecology and other fields. The standard configuration allows for 2 uroflowmeters (weight transducer or spinning disk). There are four pressure measurement channels as well as two EMG channels, including Bio-feedback functionality. Additional tests can include anorectal manometry, esophageal manometry and cavernosometry.

Optional extras also include full touchscreen functionality, videourodynamics (full PAL resolution), image databases, inbuilt ultrasound modules Echo-Jive (B, M, CFM and PD), Reports in Word (.doc) format are also available.



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Uromic Samba Easy

Uroflowmeter – weight transducer

Number of channels: 2 – weight transducers (usually one, optimum 2)
Measurement range: 0–50 ml/s, capacity 0–900 ml
Accuracy: ±5 % from range

Pressure

Number of channels: 4
Transducers: T-DOC Air charged; standard water column transducers (disposable or reusable with dome); disposable or reusable Micro Tip transducers

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

• EMG

Number of channels: 2
Frequency: 1 Hz–10 kHz (–6 dB)
Processed EMG: EMG envelope
EMG curve

• Puller

Speed range: 0,5; 1; 2; 3; 4; 5 mm/s
Accuracy: ± 3 % from range
Usable length: 300 mm (default)

• Cystometric / Proflometric pump

Range: 0,5–100 ml/min

• System

Inbuilt control system with the NEXCOM industrial PC, Intel Pentium M processor
RAM: min. 1 GB
HD drive: min. 120 GB
Network card: 2 inbuilt, 10/100 Mbps
Display: Flat screen, 19"
Optional Display: Flat Screen Touch monitor
Operation: PC keyboard small form
Trackball or optical mouse
or Touch screen version
Interface: serial port (4), USB port 2.0 (6),
1 parallel
System: MS Windows XP, MS Word
Language: English, Czech, German

• Diagnostic protocols

Programmable by user with user friendly software
Uromic.Ini for definition in all 8 channels, 2 peripheral units (proflometric puller, cystometric pump)

• Application software Urosoft ver. 7.1

Basic software includes:

UFM (automatic UFM)
Filling and miction cystometry
UPP, Urethra pressure profile, Proflometry
PQ study, analysis, Schaffer, Chess, A–G and others
PURR, LPURR, URR, Stress profile, QLPP (conductivity)
Leak Point Pressure (ALPP, VLPP, CLPP)
Video LPP, UPP, 4 channels UPP, anorectal manometry, sfincterometry, esophageal manometry, two channel EMG biofeedback

• Videourodynamics

Fast videograber for full resolution (VfW)
Input: PAL/CCIR/SECAM
625/1250 lines – 50 Hz
Record: Single Images
Cine-loops
Image database
Image processing: Cine-loop / Single Images
Copy into the report
Angle measurement
Length measurement

• Ultrasonographic module

EchoJive B/M/CFM and Power Doppler

• Dimensions

Height: 135 cm
Width: 45 cm
Depth: 76 cm
Weight: 60 kg (total)

• 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. 1000 VA

