



Product **Catalogue**

Get into the flow with MMT Urodynamics

www.mmtsystems.com

FEEL THE FLOW

Urodynamics made easy with MMT





MEDKONSULT MEDICAL TECHNOLOGY

MEDKONSULT medical technology s. r. o. (MMT) is a leading European manufacturer of urodynamic equipment – instruments for urinary tract examinations.

The MMT product portfolio includes a wide range of diagnostic equipment commonly found in Urology and Urogynaecology Departments. This includes basic systems designed for uroflowmetry, mid-level systems such as 5 channel cystometry/manometry and high-end complex urodynamic examination systems with up to 16-channels of measurement. MMT also have the unique feature of being able to combine high specification ultrasound modules into their system and the capability to link to X-ray devices (i.e. videourodynamics).

The MMT team comprises of a wide range of members with various skills and experience. This allows product development through to product support and after-sales to strive to be 'best in class' in all that we do. Our company values means that we are always focused on the customer experience – often taking unconventional approaches and lateral thinking to provide unique solutions.

The MMT company goal is to provide first class diagnostic equipment right through our product portfolio and provide a reliable basis on which further treatment plans/pathways can be determined. MMT products are currently delivered into more than 40 countries through our dynamically growing network of our distribution partners.

MMT operates numerous Quality Management Systems in accordance with European 13485 Standard, periodically certified by the Det Norske Veritas authority. All MMT products are designed and manufactured in accordance with the valid legislation including CB, CE and other certification as required.

www.mmtsistemas.com

Uromic Tango 16

Urodynamic system aimed
at high level departments
engaged in specific areas.



- 16 channel system for complex functional diagnostics.
- Ergonomically designed system for those wishing to perform urodynamics primarily from a seated position.
- Utilises the Uromic software covering all standard urodynamic examination.
- Uromic software allows easy creation of bespoke measurement protocols.
- Compatible with all MMT accessories.
- Unique wireless uroflowmeter connection at 866 MHz ensures the stability and no signal dropout.
- Further options for videourodynamics available.
- Optional ultrasound module with a wide range of the transducers.

Due to its strength in terms of channel capacity, Uromic Tango 16 is aimed at research facilities and very large teaching centres.

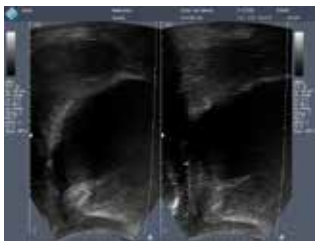
- enables the combination of different types of the pressure systems
- two UFM / two EMG inputs
- accurate 7 roller pump

Uromic QuickStep

Multifunctional urodynamic system provides "Best in Class" specification.



- Compact 8 channel system for complex functional diagnostics.
- Simple hydraulic height adjustment of the keyboard and monitor enables seated or standing position.
- Small footprint minimises use of space in clinic and storage.
- The touchscreen monitor and infection control friendly keyboard.
- Unique wireless uroflowmeter connection at 866 MHz ensures the stability and no signal dropout.
- Further options for videourodynamics available.
- Accurate 7 roller pump.



↑
Hydraulic pedal for easy height adjustment and 4 breaking wheels for safety.



↑
Option: inbuilt ultrasound module for complete pelvic floor examination.



↑
Adapter for wireless connection at 866 MHz.

Uromic Samba

Multifunctional urodynamic system provides "ALL IN ONE".



- Compact 8 channel system for complex functional diagnostics.
- Robust and stable trolley.
- Optional laser printer for printing synchronized X-ray images alongside the urodynamic reports.
- 2 braked wheels for safety.
- Small footprint minimises use of space in clinic and storage.
- Industrial PC for added reliability.
- Unique wireless uroflowmeter connection at 866 MHz ensures the stability and no signal dropout.
- Further options for videourodynamics available.

Accurate 7 roller pump.



Optional touchscreen and waterproof keyboard and mouse for easy cleaning and disinfection.



Option: inbuilt ultrasound module for complete pelvic floor examination.

Uromic Jive

System which always adapts
to your daily needs.



- Compact 5 channel system for complex functional diagnostics.
- Height adjustable stand.
- Device chassis equipped with braked wheels allows easy movement of the device, which will also facilitate the handrails.
- Small footprint minimises use of space in clinic and storage.
- Infection control friendly keyboard.
- Unique wireless uroflowmeter connection at 866 MHz ensures the stability and no signal dropout.

Various options upon customer's choice:

- wired/wireless keyboard with touchpad connection,
- wide shelf for standard or medical keyboard and mouse,
- widescreen, standard or touch monitor.



Version with a shelf with
medical waterproof white
mouse and keyboard.



Version with a shelf with
standard mouse and
keyboard.



Easy to release/fix the
height with one screw.



Uromic Blues

"Cost-efficient" system for all standard urodynamic examination.

The Blues offers a simplicity that makes it flexible to be used placed on a table, mounted on a wall or attached to an infusion pole stand. We also offer the unique combination of building the Blues into a 3-motor examination couch, TryTable.

- 5 channel system for complex functional diagnostics.
- System controls external motor units such as profilometric puller and cystometric/profilometric pump.
- Compatible with any standard PC or notebook.
- Small compact size, easy to transport.
- Utilises the Uromic software with all standard test protocols.
- Compatible with all the accessories.



Uromic Blues built in to TryTable.



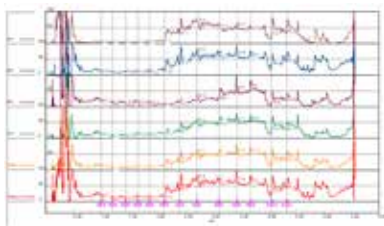
Uromic Blues attached to an infusion pole stand.



Protective transport case.

Uromic Blues AM

8 channel system dedicated for Anorectal Manometry.



Several ergonomic variations are available – the unit can be placed on the table, attached to an infusion pole stand, fixed on the wall.

- Up to 8 measure channels using a variety of different pressure transducer options.
- System controls external profilometric puller.
- Compatible with any standard PC or notebook.
- Small compact size, easy to transport.
- AM Software module compatible with Uromic software.
- All the standard measurements and calculations.
- SW for Anorectal Manometry compatible with any urodynamic system.
- Optional puller and EMG.



Protective transport case.



Uromic Blues AM attached to an infusion pole stand.



Puller for vector measurement on a stand.

Accessories for Uromic

All the urodynamic systems are compatible with a wide range of accessories.

Uroflowmetry

Flow meters utilise wired/wireless weight cell transducer technology to transform urine flow from the patient into a graphical format.

Cable length up to 6 meters



Unique wireless technology at 866 MHz

- massively improved range between flow rate and printer compared to Bluetooth (BT)
- walls and doors will not be an obstacle unlike with BT
- working distance up to 50 m
- hugely improved stability compared to BT, no signal dropout

Incredible battery performance



- up to 2 years between changes
- no regular/daily charging of flow meter base meaning no missed clinics due to flat batteries

Two types of stands for flow meters – both of them are height adjustable, easy to alter the height.



DanFlow type



Economy type



The flexibility of the stands allow them comfortably to slide underneath a commode for kids and female patients.



- reusable funnel
- 95° resistant



- disposable paper funnel



- reusable stainless steel container
- measuring scale (1,500 ml)
- sterilizable in autoclave



- plastic single-use containers with or without measuring scale (1,000 ml)

MMT accessories for uroflowmetry meet the high demands of sterile hospital environment and comfortable handling during the examination.

Cystometry

MMT pump and infusion sensor ensure precise volume filling.



- accurate 7 roller pump
- cysto/profilometric pump



- infusion sensor
- additional pump volume monitoring

Accessories for Uromic

Profilometry

Unique design and wide range of accessories allow comfortable use for measuring the urethral profile.

The flexible arm is easily manoeuvred into correct position.



- unique magnetic puller
- customizable speed



- resterizable catheter holder
- 2 different sizes available



- puller with fixation arm on a stand
- easy to position



- flexible arm used with a universal Manfrotto holder



- flexible arm used with a Euro listel holder

VLPP

Valsava Leak Pressure Point

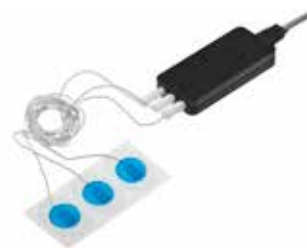
Flexible camera from MMT allows easy visualisation of urethral leaks.



- flexible camera with the holder and the inbuilt light
- compatible with universal Manfrotto holder or Euro listel holder

EMG Biofeedback

EMG curve is smooth and precise results thanks to external pre-amplifier.



- EMG pre-amplifier with electrodes
- compatible with surface electrodes



- Biofeedback image animation used in pediatric examination helps to communicate.

UROMIC software

- Easy to install
- Multiple language versions
- DICOM
- Predefined protocols / customized protocols
- Software for anorectal manometry
- Methods conform to ICS standards
- Nomograms
- Online remote service support

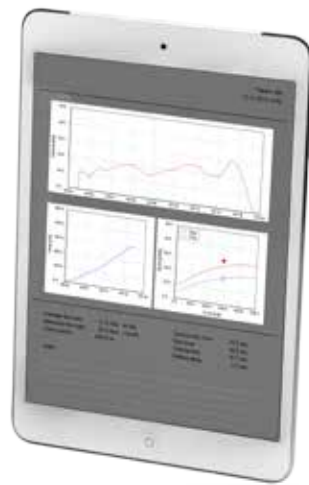
Basic features of urodynamic systems UROMIC

| | Uromic Tango 16 | Uromic QuickStep | Uromic Samba | Uromic Jive | Uromic Blues | Uromic Blues AM |
|---------------------|---------------------------|----------------------------|------------------------|-----------------------|------------------------|---------------------------|
| Measuring channels | 16 | 8 | 8 | 5 | 5 | 8 |
| Wireless connection | ● | ● | ● | ● | – | – |
| Uroflowmetry | ● | ● | ● | ● | – | – |
| Filling cystometry | ● | ● | ● | ● | ● | – |
| VLPP | ● | ● | ● | ● | ● | – |
| Profilometry (UPP) | ● | ● | ● | ● | ● | ● |
| Pressure Flow study | ● | ● | ● | ● | ● | – |
| EMG, Biofeedback | ● | ● | ● | ● | ● | ● |
| Videourodynamics | ● | ● | ● | – | – | – |
| Ultrasound module | ● | ● | ● | – | – | – |
| Anorectal manometry | ● | ● | ● | ● | ● | ● |

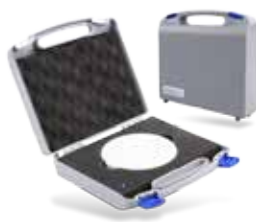
● option ● standard – not available

DanFlow 5000

Ambulatory uroflowmetry - Home care unit



Optional accessories



- Mini disc-shaped uroflowmeter "pocket" size.
- Measured data are saved automatically.
- BlueTooth connection.
- Compatible with smartphones, tablets or standard PC/notebooks.
- Battery and memory capacity up to one week in an ambulatory setting.
- The wireless charger is powered with a micro USB cable.
- PDF report offers standard values as well as evaluations according to Siroky Krane nomogram.
- Easy to download and install the DanFlow 5000 application.



With the DanFlow range of urine flow meters, MMT have made Uroflowmetry simple again!

MEASURING

PROCESSING

PRINTING & STORAGE

REPORTING

DanFlow 1000



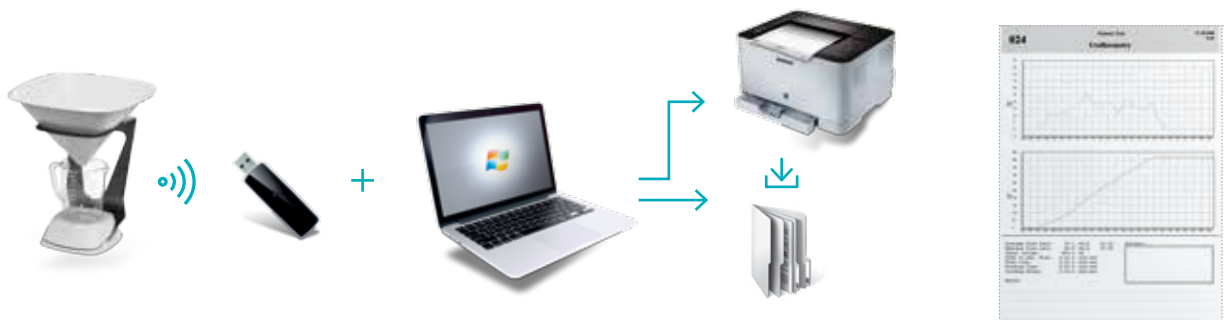
DanFlow 1100



DanFlow 2000



DanFlow 3000
DanFlow 3000 Plus



DanFlow 1000



Uroflowmetry weight transducer with a small compact thermal printer connected via cable.

Automatic data storage onto an inbuilt SD card.

SD memory card can be easily removed and inserted into your computer for subsequent storage or processing records if desired.

DanFlow 1100



DanFlow 1100 is essentially the same in function as the DanFlow 1000 but removes the cable link between flow transducer and printer by using an 866 MHz wireless signal which brings a lot of benefits.

This model delivers increased levels of patients privacy, flexibility and portability.

It opens up the use in rooms not necessarily built to accommodate urine flow meters. It uses a much more stable platform than Bluetooth based devices.

DanFlow 2000



DanFlow 2000 flow meter is a highly reliable uroflowmetry device connected to a computer or notebook using a USB or RS232 connection.

Advanced SW functionality includes automatic/manual uroflowmetry, patient database, real time flow curve, multiple types of nomograms.

DanFlow 3000 DanFlow 3000 Plus



Uroflowmetry weight transducer with USB dongle to wirelessly connect a control PC or notebook using a unique 866 MHz frequency. This provides the Gold Standard in terms of reliability and maximum signal range.

DanFlow 3000 has fully automatic functionality which makes it easy to operate.

DanFlow 3000 Plus offers the same advanced SW functionality as DanFlow 2000.



Commode chair
for women, children
and seated voiding



Wall holder



Height adjustable stands
for standing / seated position



Easy to open / lock

MMT accessories meet the high demands of a busy Urology department and provide comfortable handling during the examination.

Software

- different language versions available
- easy to install and operate

Unique wireless technology at 866 MHz



- massively improved range between flow rate and printer compared to Bluetooth (BT)
- walls and doors will not be an obstacle unlike with BT
- working distance up to 50 m
- hugely improved stability compared to BT, no signal dropout

Incredible battery performance



- up to 2 years between changes
- no regular/daily charging of flow meter base meaning no missed clinics due to flat batteries

TryTable

Multipurpose examination couch – solution for urology and gynaecology, USG scanning, X-ray images



- Wide range of settings
- Wide range of accessories
- 3 motor examination couch
- Universal eurolist to attach the accessories
- Easy to clean/disinfect
- Four locking wheels
- Levers easy to use
- Accessories right/left side



Headrest easily adjustable



3 motor examination couch / Memory for 3 positions



Back angle



Seat angle



Accessories

Wide range of supports
for urology and gynecology
examinations



Hand rests



Leg supports



Leg supports



Leg rests

Universal holders for easy fixing / releasing



Lever I.



Lever II.



Stainless bowl



Foot pedal

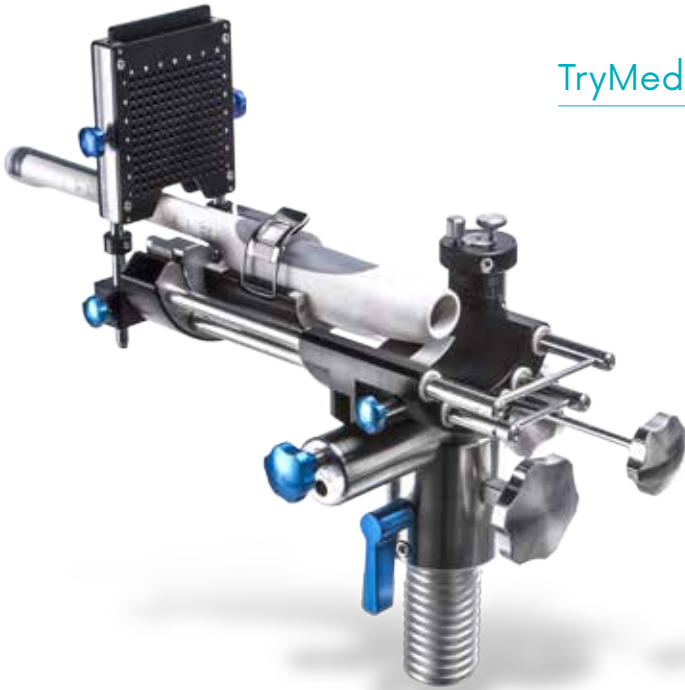


TECHNICAL SPECIFICATION

- Working area width 590 mm
- Operational temperature +15°C – +35°C
- Working area length 1.400 – 1.900 mm
- Power supply 230V, 50Hz
- Total permitted loading 150 kg
- Maximum power input 500 VA
- Weight 120 kg

TryMed Brachystepper

TryMed is a simple device to stabilise a transrectal ultrasound transducer and allow defined single-step anteroposterior movements and fine spatial positioning of the probe.



- stable fixing of the transrectal transducer into the treatment position needed by the physician
- no calibration of the TryMed required
- only standard cleaning and surface disinfection required
- reusable puncture template grid can be sterilised in an autoclave
- no electronic parts
- micro-feed stepping mechanism
- magnetic stainless steel and magnet provide a solid transducer adapter mounting



↑
Silver screw dial
for precise micro-feed
stepping



↑
Blue screw dial
for fixing the position.
(brakes)



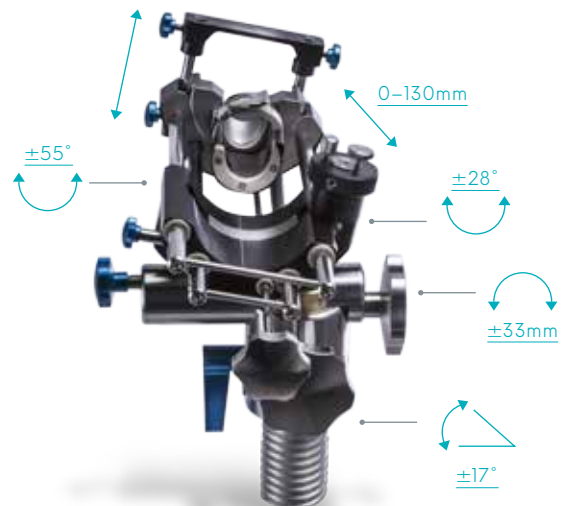
↑
Universal transducer
holder for any type
of ultrasound transducer

The TryMed brachystepper allows transducer's positioning in many different angles and positions to allow treatment delivery.

Prostate Brachytherapy is an effective treatment for localized prostate cancer with high patient tolerability and acceptable morbidity outcome data. It is a technique that delivers a high dose of radiation to a small target volume of tissue, minimizing radiation side-effects to adjacent structures.



↑
Height
adjustable
tripod stand



Uromic EchoJive



EchoJive offers the unique ability to allow complex diagnostics of both the anatomy and function of the urinary tract.

- The Uromic Blues allows complex examination of the lower urinary tract as it examines both function (uroflowmetry + post-voiding residual) and anatomy of the kidneys, retroperitoneum, bladder, pelvic floor and prostate. Prostate biopsy under ultrasound biplane guidance is also possible on this device.
- Connection of a Uromic Blues module allows the system to urodynamically assess the urogenital tract.
- All ICS methods (cystometry, profilometry, PQ study, EMG, biofeedback) are available as well as other integrated studies using both ultrasound and urodynamics.

- High quality ultrasound system including B-mode, CFM mode, PD and PW doppler mode.
- The system is integrated on an ergonomic trolley including height adjustable keyboard and monitor (up to 30 cm).
- Two inputs for ultrasound transducers.
- Measurements for standard diagnostics in urology and urogynecology are possible including doppler measurements.
- Advanced software: 3D view, module for 3D volume calculation and many other, 3D options for data, post-processing are included.
- Panoview for panaramatic imaging.



Easy to release / fix the height with one screw.



Uromic EchoJive can be also used as control unit for the DanFlow 3000 wireless uroflowmeter or Uromic Blues.



Optionally biopsy attachments.



Wide range of the transducers.

Wide range of the accessories is available to combine with Uromic EchoJive as well as the different tests / protocols setup upon customer's choice.



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