

# **Pico Smart**

*The Handy Urodynamics*



**PICO SMART** is based on an advanced acquisition module called SAU-URO, that offers new advanced capabilities.  
Can either be based on one trolley (all-in-one system) or upon 2 units connected **WIRELESS**

The pressure channels are compatible both with external transducer for water perfused catheters and solid-state catheters like those manufactured by Unisensor, Gaeltec, Millar and others. The easy accessibility to the channels allows the operator to change the kind of transducers according to the need of the study. The uroflowmeter is connected to the acquisition board by means of either a cable 8 m long or a wireless module so that it can be put in a private place to make the patient more comfortable.

### Trolley

Trolley of the all-in-one system has 4 pivot wheels (2 with brakes). It is provided with an IV shaft to which peripherals such as acquisition unit, catheter withdrawer and others are fixed.



The system can be configured on a single trolley (all-in-one system) or in two different trolley: patient unit and control unit connected wireless

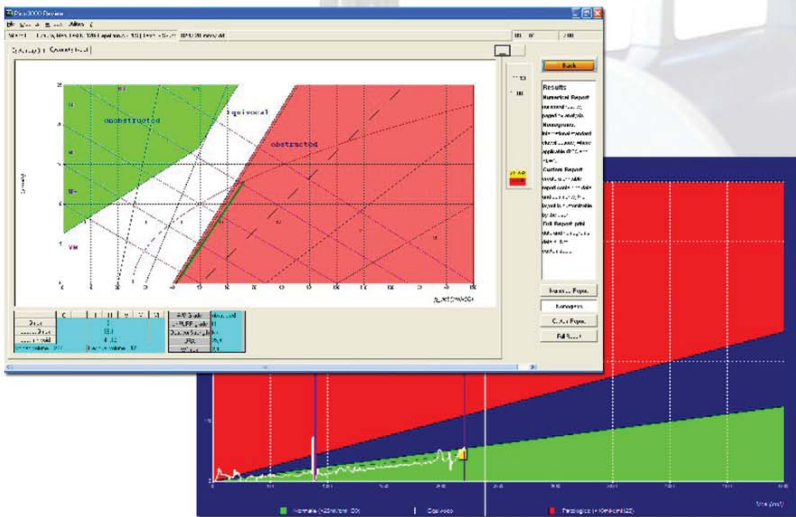
- Acquisition Unit up to 16 channels; pressure, Electromyography, Flow, Volume and leak point detector;
- Peristaltic pump;
- The uroflowmeter is connected to the acquisition board by means of either a cable 8 m long or a wireless module so that it can be put in a private place to make the patient more comfortable;
- Withdrawer of the catheter with speed controlled via software or remote control;
- Infrared Remote control, to handle the main functions;
- Remote assistance for support and software upgrading;

## PICO SMART works with the software package PICO3000

Pico300 is a program that carries out and analyses all the urodynamic studies in just one single stage.

It includes the following features:

- Database (MS Access compatible);
- Automatic Medical Reports based on preset or customized templates;
- Studies results, graphs and raw data available on MS Office application (Excel, Power Point, Word);



Advanced Analysis of Pressure Flow Studies, Cystometry and Flowmetry. This powerful tool carries out advanced processing including (among others): ICS, Schafer's nomograms, Abrams and Griffith's plot, Gohniem, Liverpool nomograms, Siroky nomograms, Blaivas and Groutz

**RISK-FREE STUDIES:** Thanks to the automatic save & resume feature, the study interrupted for any reason, also for a blackout of the mains, is resumed from the point where it was interrupted

Surface Impedance (Kohm): 1.4

Electromyography with checking of impedance to ensure a good electrodes contact

Advanced statistics function. To compare several tests and/or to export the data to MS Excel.

Automatic artefact reject facility allows the detection and cancellation of the false recorded data which could led to uncorrected evaluation.

Thanks to the capability to review the history of the study the operator can recall significant periods while performing the study

PICO3000 is designed to be part oa a network. It is compatible to DICOM and other standards

# A DIAGNOSTIC SYSTEM THAT GROWS ACCORDING TO YOUR NEEDS

**PICO SMART** can be expanded with the following options:

**Video-urodynamics** to combine x-ray or ultrasound images and short movies with the urodynamic tracings.

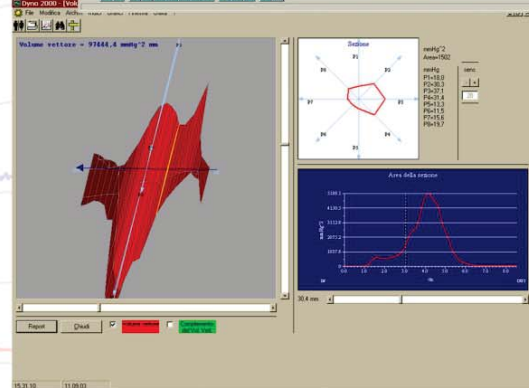
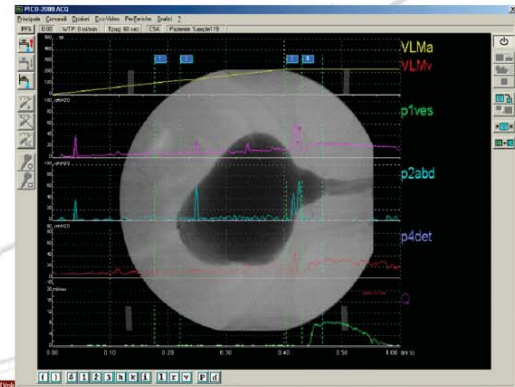
**Biofeedback** for the pelvic floor functional rehabilitation in the urinary incontinence

**Oesophageal and Anorectal motility**: to evaluate the gastrointestinal motility

**Whitaker Test** to study the functioning of the upper urinary tract

**Cavernosometry** to evaluate erectile disorders (not available in USA)

**Module of Neurophysiology**: It evaluates Pudendal Motor Nerve Latency, Sacral Reflex, simple EMG and quantitative EMG



## CATHETERS

Medica -Menfis offers a wide range of catheters and lines developed in close cooperation with the urodynamicists to combine the maximum comfort of the patient with the best possible measurements. The catheters are made in high quality materials like PEBAX and PVC, widely tested to meet the needs of the Urodynamic studies. Require the Medica - Menfis' catalogue "Urodynamic catheters and lines" or visit our web site [www.menfis.it](http://www.menfis.it)

\* Technical data can be change without any notice

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**AAA PHARMA INC.**

105 Maryland St., Cubao, Quezon City  
Tel. No. : (02) 726-8715 / (02) 727-7822  
E-mail : [info@aaapharma.net](mailto:info@aaapharma.net)  
Website : [www.aaapharma.net](http://www.aaapharma.net)