



ALBYN MEDICAL
Smart Medical Group

SmartDyn

Wireless Urodynamics

Flexible - Easy - Accurate



www.albynmedical.com

Leading Technology Applied to Urodynamics



Patient Unit

- Wireless transmission to PC
- Vesical, Abdominal, Urethral pressure
- Uroflow (wireless optional)
- Spare signal - adaptable
- Puller connection for UPP
- Integral air pump for UPP/Manometry
- LED status indicator



Three reusable Pressure Transducers

- 100mmHg Auto test button
- Full colour coding
- Sturdy mounting bracket
- Integral cable strain-relief



Integral filling pump

- 4 roller head providing smooth filling to avoid pressure signal interference
- Variable infusion rate
- Quick & easy tubing installation



360° Rotating Arm

- Medical grade wireless transmission
- Multidirectional XBee technology - 2.4 GHz



Uroflow sensor

- Wireless (optional)
- Weight sensor, highly accurate at low flows
- Hygienic, protective replacement covers

- Integral filling volume sensor for accurate bladder filling control (weight sensor)



Wireless EMG

- Charging cradle
- Needle, surface or plug electrode
- Biofeedback protocols

Puller

- Bidirectional
- Ergonomically designed holder
- Autoclave safe
- Height adjustable arm
- Variable rate





SmartDyn is the most advanced, innovative and complete Urodynamic System in the market today. Designed to be easy to use and easy to set-up, providing a new level of user configurability.

- Using the most advanced wireless technology available, SmartDyn is able to perform the following studies:

- **Mictiometry** - Wireless connection allows patient comfort/privacy

- Liverpool, Siroky, and Paediatric Nomograms

- **Cystometry** - Filling and Voiding

- Integrated filling pump and volume sensor

- Compliance and pressure v volume plot

- ICS, Schafer, & Abrams-Griffiths pressure v flow nomograms

- **Video-Urodynamics** (optional)

- Analogue or Digital input signals

- Real-time digital recording and replay

- BNC and USB Connectors

- **Urethral Pressure Profile, Static and Dynamic.** Puller (optional)

- Extensive analysis including mean static & mid-urethral response

- High sensitivity **Electromyography** (optional)

- Surface Electrodes, Bipolar Needles, Vaginal and Rectal probes

- Wireless connection (Bluetooth)

- Pelvic Floor Rehabilitation Software - **Biofeedback** (optional)

- EMG Biofeedback

- Continuous improvement analysis

- **Anorectal Manometry** Software (optional)

- 5 pressure channels

- Integrated air perfusion pump

- Foot-pedal to allow hands free operation

- Step-by-step prompts to guide user through study process

- User Configurable **Reports**.

Based on Microsoft® Word, unlimited number of templates.

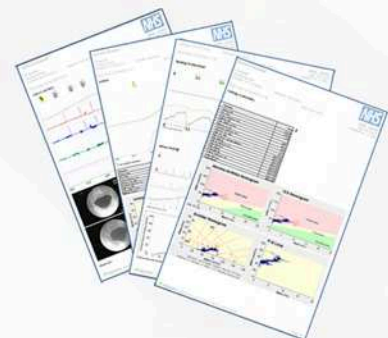
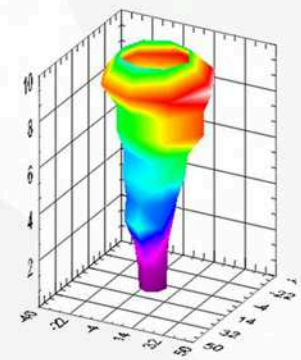
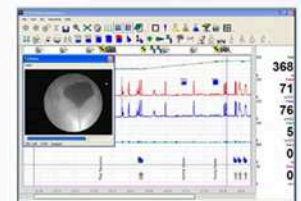
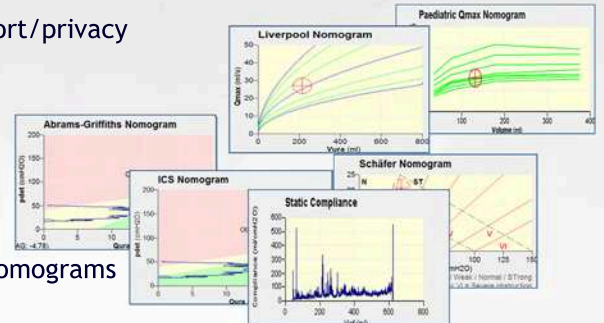
Integrated PDF convertor.

- **Connectivity.** SmartDyn allows the user to integrate with the Hospital Information System (H.I.S). Using DICOM (optional) technology, allows DICOM worklist and DICOM store.

- **Security (N.D.L.).** Albyn Medical has developed N.D.L technology, allowing data recovery even when studies have not been saved due to power-failure. Real time data processing gives an added security level on data management.

- **Database.** SmartDyn uses Microsoft® SQL Server as the database engine. Microsoft® SQL Server is the most advanced database engine in the market. Automatic backup facility to any network location.

Intelligent patient search allows faster study upload and review.





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SmartDyn is the most advanced, innovative and complete Urodynamic System in the market. Designed to be easy to use and easy to set-up, providing a new level of user configurability. Maximum flexibility allows studies, analysis and reports to be configured to suit the clinician. The portable main unit with wireless PC connection allows a variety of setup configurations depending on the size and layout of the investigation room.

Product Code

Description

98500000

Smartdyn - Wireless urodynamic system
(PC not included)

Options:

00004408

Micturition chair with funnel

00002404

Male micturition stand with funnel

00004442

Wireless uroflow sensor

98800000

Wired uroflow sensor

00004326

Puller (adds UPP studies)

00004616

Wireless EMG module

98500214

Trolley / workstation for PC

00004329

Laptop PC

00004327

Video Urodynamics capability

98000003

Anorectal Manometry software

00004820

Biofeedback software (requires wireless EMG module)

Distributed by:

www.albynmedical.com



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