

SmartDyn

Urodynamics
Focus on the
essentials



ALBYN MEDICAL
Smart Medical Group

SmartDyn

Wireless Urodynamics System

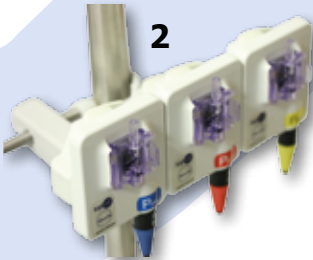
1



1 Filling Pump

- User friendly software control.
- Filling range pump flow from 0ml/min to 150ml/min. Accuracy $\leq 2\%$ FS
- Automatic priming of the pump tubing set.
- Pumping volume: 0 to 2000 ml. Accuracy $\leq 1\%$ FS.
- Transmission range: 0 to 2000ml. Accuracy $\leq 2\%$ FS.

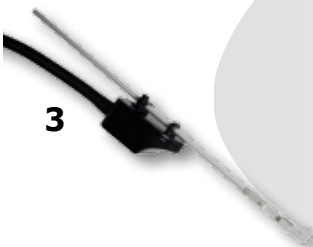
2



2 Pressure Transducers

- 3 colour coded pressure transducers.
- Urodynamic set for convenient flushing of the catheters.
- Pressure range from -50 to + 350 cm H₂O. Accuracy $\leq 1\%$ FS.

3



3 Puller

- Flexible, robust and easy to adapt to any position.
- Removable and sterilisable catheter holder to prevent cross contamination.

4



4 Filling Sensor

- Reports exact volume infused:
- Compatible with:
 - Different contrast media.
 - Catheters with different lumen sizes.
- Avoids pump infusion errors.

5



5 Adjustable Pole

- Secure and handy fixing system for catheters and pump tubing.
- Quick and easy adjustment.
- Hygienic.

6



6 EMG

- High Quality Signal.
- Wireless system allows free patient movement.
- Low electronic noise.
- Rechargeable.
- Range: 2 μ V to 1000 μ V. Accuracy $= < 2\%$ FS.



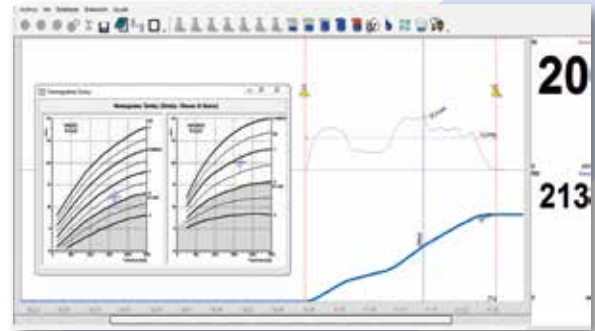
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9/10



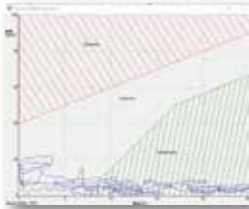
7/8 Flowscale

- Wireless communication allowing privacy for the patient.
- High sensitivity with small flow-rates.
- Replaceable hygienic covers.
- Tailored for micturition chair or stand.
- Flow measurement from 0 to 60 ml/s.
- Accuracy $\leq 1\%$ FS.

9/10 Database / Analysis

- SQL Database engine ensures fast access to all studies:
- Complete analysis as defined by the ICS.
- User designed protocols and reports.
- NDL Technology (No Data Loss).

11



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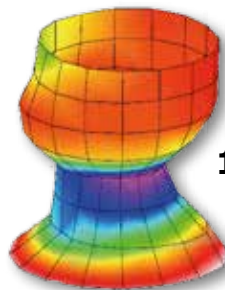


11/12 Nomograms / Reports

- Full range of Nomograms for adults and paediatric studies.
- Customised investigations and reports.

13 Anorectal Manometry

- 4 or 5 Pressure channels. Vector Volume.
- Integrated air pressure pump for accurate perfusion.
- Foot pedal control.
- Configurable studies (RAIR, Pressure Profile, Fatigue Index, Sensitivity).

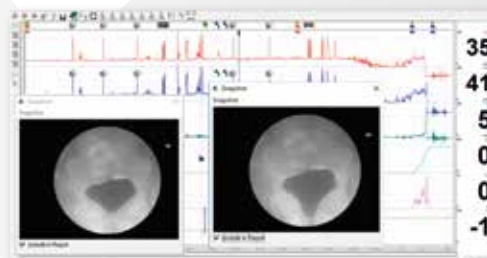


13

14

14 Video Urodynamics

- High Resolution Processing.
- Available for analogue or digital x-ray outputs.
- Real time recording and synchronisation.



15 Network and HIS

- Wireless or cable connection to Hospital Network.
- DICOM compatible - Storage & Worklist.



SmartDyn

The integrated design of the SmartDyn allows a fast learning curve. It is a highly efficient device for a low cost investment.

Albyn Medical after sales service and the quality of our catheters ensure the results of the measurements.

Albyn Medical complies with the highest quality market standards.



SmartDyn

Urodynamics focused on the Highest Standards of Quality

Workstation

- Wireless connection of the Flowscale and EMG to the main unit.
- Availability of all current nomograms and ICS terminology.
- Hygienic - easy to clean, with waterproof keyboard, and specially designed flowscale with hygienic, replaceable covers. Removable and sterilisable UPP catheter holder.
- Optional anorectal manometry and video urodynamics.
- Optional integration with the hospital information system.

Integration

- Easy integration with current investigation room lay-out.
- Possible to be shared by different departments (Urology, Gynaecology) to reduce the effective cost per patient. Data may be kept separate.

Quality

- Albyn Medical guarantees the Highest Quality Standards in all its products.
- ISO 13845, CE Mark.

Name: Smartdyn – Urodynamic System. **Indications:** To perform Urodynamic and Anorectal Manometry studies. **Class:** IIa. **Notifying Body:** SGS. **Manufacturer:** Albyn Medical SL.
Caution: Please read carefully the Instruction for Use Manual prior to start using the equipment. **Version:** SD_E_1

Other products manufactured and distributed by Albyn Medical



Albyn Medical authorised local distributor

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