

**Potent**



**Robina**  
Group Companies



# URODYNAMIC ANALYZER SYSTEM

POTENT • New Summit of Medical Tech



Defining The New Standard  
For Modern Urodynamics



Urodynamics is subdiscipline of urinary surgery. It mainly studies the function and mechanism of urinary tract, and pathophysiology changes of voiding dysfunction.

Nowadays, urodynamic analysis is a common means for analysis of urinary surgery. It gradually replaces subjective diagnosis since 1980s and provides scientific basis for diagnosis and treatment of common diseases of urinary surgery.

Applications

- Measurement programs according to ICS standards
- Pressure-flow-measurement
- Urethra-pressure-profiles
- Uroflowmetry
- Cystometry
- Leak point pressure
- Animated biofeedback
- EMG (Electromyography)

Features

- Full range of analysis
- Alarm doctor automatically when urinary bladder pressure>40cmH2O
- Stop filling automatically when urinary bladder pressure>150cmH2O
- Measures bladder contractility non-invasively
- Reduces the number of cystometry tests and associated risks
- Clinically proven
- Saves time and money
- Increases the success rate from TURP
- Powerful data management system
- Analysis at the touch of a button
- Modular pump and puller
- Wireless uroflowmeter
- Updatable to video urodynamic system

Technical Data

| Items                        | Details                                                                                                                                                               |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Uroflowmetry measuring range | a) Flow: 0mL~1000mL, Error range $\pm 2\%$<br>b) Urination time: 0s~240s, Error range $\pm 1\%$<br>c) Average urinary flow rate: 0mL/s~50 mL/s, Error range $\pm 5\%$ |
| Pressure measuring range     | Pressure: -50cmH2O (-4.9kPa) ~ 200cmH2O (19.6kPa)<br>Error range: $\pm 3\%$                                                                                           |
| Dragger                      | a) Length: $\geq 280\text{mm}$<br>b) 4 Speeds: 0.5mm/s, 1.0mm/s, 2.0mm/s, 4.0mm/s, Error range $\pm 3\%$                                                              |
| Filling pump                 | Range of filling rate: 2mL /min~10mL/min (1mL /min each time)<br>10mL/min~80mL/min (5mL /min each time)                                                               |
| Syring pump                  | Injection speed: 2mL/min~5mL/min (1mL /min each time), error range $\pm 3\%$                                                                                          |
| EMG testing                  | a) Range for responding: 20 $\mu\text{V}$ ~1mV<br>b) Length of electrode wire: $\geq 180\text{cm}$                                                                    |
|                              | All the tests comply with standards of the ICS                                                                                                                        |
|                              | Achieved certificate of ISO13485                                                                                                                                      |
|                              | One of the Only Two manufacturers of Urodynamic Systems in China                                                                                                      |



Catheters of pressure transfer



Catheters of liquid connecting



Catheters of analysis