Specifications for uroflowmeter

1. Flow system should have weight based uroflow transducer.

2. The flow transducer should be provided with at least two graduated urine beakers for flow measurement.

3. Should have a flow range of 0-50 ml/sec with volume range of 0-1000 ml.

4. Uroflowmeter must be supplied with the micturition chair for voiding.

5. The Uroflowmeter sensor unit should be operable by wireless mode by control unit placed in another nearby room.

6. The Control Unit should include database software, uroflow software, viewing monitor, keyboard, mouse and PC based printer for printing report.

7. Should have the facility of wireless transfer of data using Bluetooth/RF Technology with automatic start, automatic stop of investigation and analysis by control Unit.

8. Should have auto-record and zero facility.

9. Sampling rate, reporting parameters and accuracy of the readings must be as per the ICS (International Continence Society) guidelines.

10. Report format must contain all the report parameters required for the uroflowmetry diagnosis like: Patient identifications, position of voiding, hesitancy, Voided Volume, Qmax, Avg. flow, total flow time.

11. Report format must contain required graphs for the report of uroflowmetry diagnosis like: a. Time vs Vmic (ml) b. Time vs Qura (ml/sec) c. ICS Nomogram curve for Qmax d. ICS Nomogram curve for Average flow.

12. The system must include all connection and power accessories required for full functioning of Uroflowmeter unit. All components must be ISO certified for the required medical use.