

digiFLOW - 4

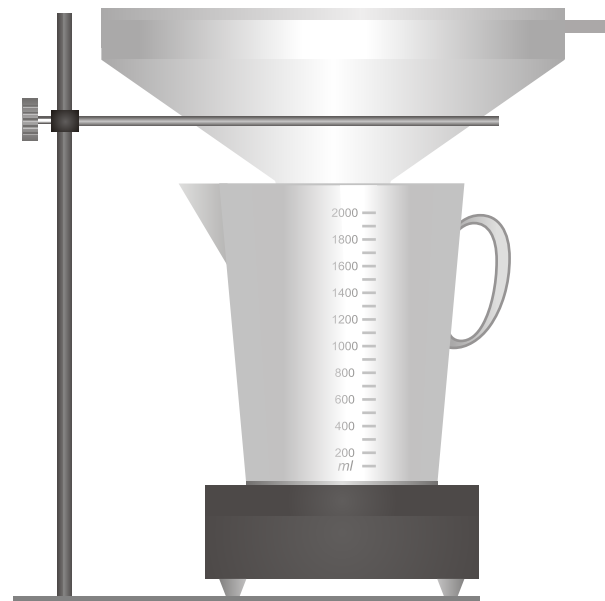


Advanced PC Based Uroflometry System

digiFLOW 4 is a compact and Hi-Tech digital Uroflometry system designed for practical, everyday flow studies. The device works with any standard PC. The investigation starts automatically when the patient starts voiding. The flow and volume scales can be adjusted. Patients' data is stored on a hard disk along with the test results and can be retrieved any time for inspection or printing out. The printer provides you with a simple, crisp and clear printout with uroflometry results and patient information. It also prints the clinic / hospital name on top of the sheet. Graphical flow rate charts are supported by alphanumeric data.

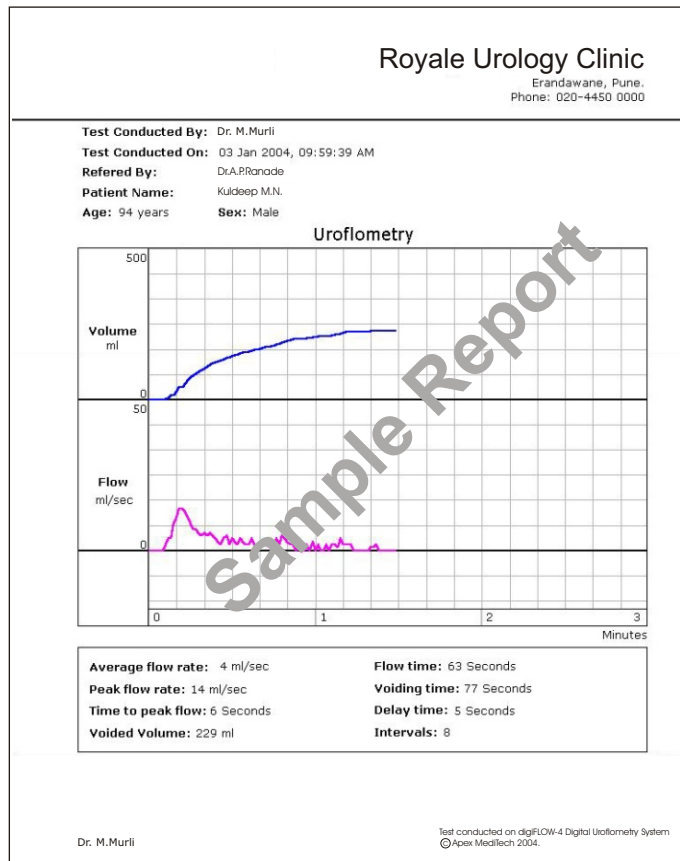
Salient Features

- Fully Automatic
- User Friendly PC based system.
- Uses PC's USB Port for communication with the hardware.
- Prints crisp and clear Colourful or Greyscale printouts on any color deskjet or laser printer installed on the PC
- Real-time coloured display
- Long Test Duration, upto 30 minutes
- Multiple tests can be conducted successively without emptying the jar every time.
- Auto / Manual Start & Auto Stop
- Patient Data with test results is stored in the PC and can be retrieved any time for reference or for reprinting.
- Maintenance free
- Printout contains Graph and tabular text data
- Flow Measurement Range : 0~50 ml/sec.
- Volume Measurement Range : 0~2000 ml.
- Facility to remove artefact manually
- Siroky Nomogram (optional)
- Reusable urine container and funnel
- High precision sensor for flow and volume
- Selectable scaling (Zooming) for both display as well as print
- Micturition chair (option)
- Upgradation to Urodynamics possible
- Packed with full On-line help





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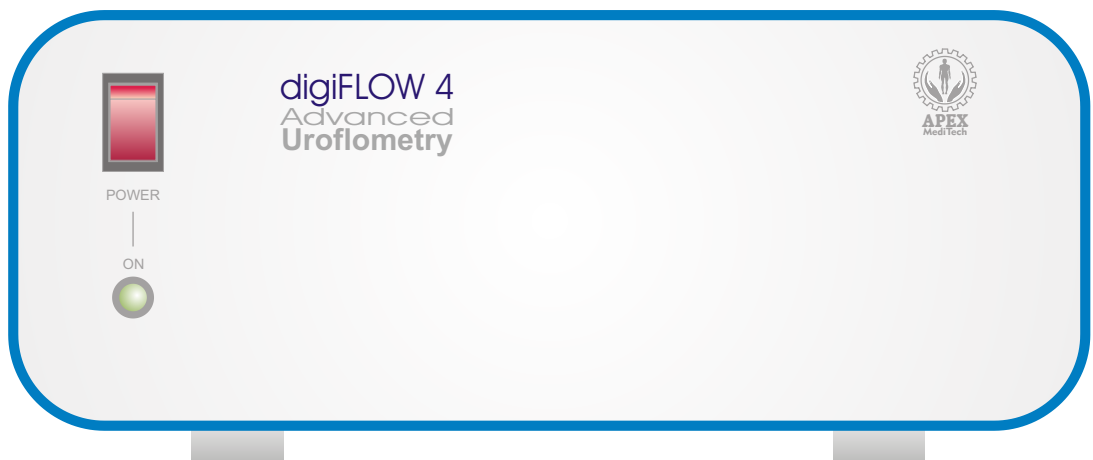


Console :

The state-of-the-art, Ultra High Speed Console of the **digiFLOW 4** system has a high resolution 24 bit Analogue to Digital Converter for superior accuracy operating at a desired speed.

The analogue signal received from the flow sensor are converted into digital and sent to a PC continuously.

The console communicates with a PC through High Speed Standard USB. A PC does not need any special drivers for communicating with the console.



Optional Micturition Seat :

A strong micturition seat is a part of the system. This can be conveniently used for male as well as female patients.





Technical Specifications

HARDWARE

Control Unit :

Supply Voltage	through USB PC
Power	1 Watt max.
Communication port	USB
Data capture	Flow, Volume voided
Dimensions	225x199x100 mm
Weight	1.0 kg.

Flow Sensor Unit

Type	Precision Load cell
Sensor Capacity max.	3 ltrs.
Jar capacity	2 ltrs. max.
Dimensions	165 Dia X 65 Height mm
Weight	1.3kg.
Sensor to Control unit signal cable length	4.5mtr.

SOFTWARE

Tests

Tests available	Uroflometry.
Data display	Flow, Voided Volume.
Scroll & Zoom	Available, on the fly
Basic test controls	Start, Stop & Pause
Artefact	Auto detection and correction.
Channels	Two

Sample Data Range

Flow	0~100ml/sec.
Volume Voided	0~1000ml.
Test duration	60 min.



Data Management & Reports

Patient database	All relevant personal information is stored along with the test details and the name of the surgeon conducting the test. The same can be retrieved, viewed any time easily and the reports can also be printed from the archival.
Help	An exhaustive detailed help is provided for all features with the programme.
Reports	Crisp and clear Coloured graphical presentation with the relevant necessary alpha-numerical tabular data. Can be viewed on monitor. A4 size page. Graphs showing Flow and voided volume. Colour prints.

COMPUTER REQUIREMENT

Minimum Requirements

Processor	i3 or higher
Memory (RAM)	4GB RAM
Display adaptor & Monitor	Colour, with 1920X1080 pixels resolution
Hard disk	200MB free Hard Disk space
Port	One USB 2.0 port
Printer	Installed Colour Inkjet or Laser printer
Operating System	Windows XP SP3, Windows 7, Windows 8 or Windows 10
Other	CD/DVD ROM Drive



Flow Sensor

Manufactured by :



Apex MediTech

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Quality approved to :
ISO 13485:2016
ISO 9001:2015

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Specifications are subject to change without prior notice