



# SpiroWin

Windows\* based Pulmonary Function Analysis System

## Key Features

SpiroWin is the state-of-the-art PC Windows\* based Pulmonary Function Analysis System with Interpretation. The system is useful to conduct FVC, SVC, MVV tests. It gives exhaustive information in terms of various parameters and an accurate interpretation. It can analyze Medication responses of the pulmonary system of the patient with maximum possible ease of operation. The start of each maneuver is indicated to the patient by a Traffic light system. A unique patient target is incorporated to induce maximal patient effort.

SpiroWin software provides with Automatic / manual best test selection, detailed printing of F/V, V/T graphics, post analysis with overlapping of tests performed in different test sessions, Seven pre-defined and one user definable Predicted values etc. It also provides Internet connectivity with dedicated view software.

SpiroWin can be viewed as a complete system dedicated to provide a simple solution for evaluation of pulmonary function and the effect of medication on the patient. Windows\* based SpiroWin software, PC powered Hardware & serial port communication with the SpiroWin instrument turns any PC into a full-fledged Pulmonary function Analysis system, with online real time graphs on screen. It gives a multicolor / B&W two-page report on A4 size paper. In built patient database with more than 1000 patients memory helps you keep track of patient history. All at your mouse clicks in a very user-friendly SpiroWin software environment.

# Technical Specifications

## Instrument Specifications

Dimension (W X H X D)	: 200mm x 90mm x 65mm
Weight	: 250 gm (approx.)

## Flow Meter

Method	: Bi-direction digital turbine
Flow Detection	: Opto-electronic Semiconductor sensor
Volume Range	: 8 liters BTPS
Flow Range	: 0.03 - 14 l/s BTPS
Flow Resistance	: < 7mm of H <sub>2</sub> O/l/s @ 12 l/s
Accuracy	: +3%

## User Selectable Predicted Values

ERS93, Knudson83, ITS White, ITS black, LAM, Barcelona, Indian, User programmable, LLN, KAMAT etal

## Test Method

FVC, SVC, MVV tests conducted sequentially/optionally

## Internet Connectivity

Remote Review	: Dedicated SpiroWin View Software
Upload Method	: Test file sent as e-mail Attachment

## PC\* Specifications

Operating System	: Windows* 7/8/10
Cpu	: Intel* Celeron* 1.8GHz or better
HDD	: Minimum of 500 GB
RAM	: Minimum of 2 GB
Printer	: Any Windows* compatible Inkjet / Laser Jet Printer
CD-ROM	: 16 X and above (for installation)
Mouse	: PS2/USB Mouse

## Technical Specifications

Sensor	: Flow Sensor Bi-directional Digital Turbine
Flow Range	: +16 Ltr/Sec BTPS
Accuracy	: +3%
Volume Range	: +8 Ltr.

## Standard Accessories

SpiroWin Hardware unit	: 1 No.
Pneumotach	: 1 No.
Software CD	: 1 No.
Pediatric Adaptor	: 1 No.
Pediatric Mouthpieces	: 25 Nos.
Adult Mouthpieces	: 25 Nos.

## Power Requirements

Voltage	: 5V DC
Frequency	: 50 Hz
Power Consumption	: 500 mA maximum

## Physical Characteristics

Instrument Dimensions	: 50 mm x 100 mm x 25 mm
Approximate instrument Weight	: 0.25 kg

## Environmental Requirements

Operating and Storage Temperatures	: 10° C to 45°C
Ambient Relative Humidity	: 15% to 90%, non-condensing

## Pressure / Altitude

Operating and Storage	: 523mmHg to 760 mm Hg
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[Click Here For Technical Specification](#)

\*Due to our continuous product development program, the specifications may change without prior notice.

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