



SPIROEXCEL

PC based Pulmonary Function Test



Features

- Digital Spirometer with automatic Interpretation
- Easily sterilizable pneumotach
- Simple and Trouble-free Technology
- Accurate and Precise
- Windows® based user friendly software
- Real time display of flow-volume loops
- Encouragement screens for better efforts
- User's configurable prediction tables
- Pediatric Encouragement software
- Automatic BTPS Correction
- Multiple report formats with color printout
- Unlimited test result storage and retrieval
- Report can be sent via e-mail



Technical Specification

• Flow Measurement	: Bi-directional digital turbine	• Interface	: USB
• Volume Measurement	: Flow integration	• Patients Incentive Screen	: Provided
• Flow Range	: 0.03–20 l/s	• Printer	: PC Compatible
• Volume Range	: 0–12 litres (BTPS)	• Storage	: On hard disk drive
• Flow Accuracy	: $\pm 2\%$	• Interpretation	: Automatic
• Volume Accuracy	: $\pm 2\%$	• Weight	: 100g
• Graph Scale	: Meets ATS standards for graph	• Temperature	: 0–50°C
• Power Source	: Direct from U'SB port.	• dimensions	: 165x50x25mm

Prediction Table

Indian, ECCS, Knudson 83, Zapletal, Barcelona, ATS94, LAM, ITS White, ITS Black, LLN, user defined predicted calculations

Test Performed

Forced Vital Capacity (FVC), Slow Vital Capacity (SVC), Maximum Voluntary Ventilation (MVV), Respiratory Pattern, Broncho-Challenge tests.

Measured Parameters

• FVC • FEV.5 • FEV1 • PEFR • PIFR • FEF25–75 • FEF 25% • FEF 50% • FEF 75% • FEV1 /FVC • FVC • Time • SVC • ERV • IRV
• VE • Rf • Ti • Te • Vt • Vt/Ti • Ti/Ttot • IC • MVV • MRf • MVt • MVt • ELA

Standard Accessories

– SpiroExcel Software CD	:01	– Carrying case	:01
– Operating Manual	:01	– Adapter for Pediatric mouthpieces	:01
– Digital Turbine	:01	– Adult mouthpieces	:10
– USB Cable	:01	– Pediatric mouthpieces	:10
– Nose Clips	:02		

System Compatible Computer Hardware

Dual Core equivalent or higher, 512MB RAM, 320GB HDD, DVD combo drive, Keyboard, Mouse, 3 USB Port, Colour Monitor, Operating System : Window XP, Windows 7, Windows 8
Printer : Any inkjet color or Laser Printer supporting Windows.

