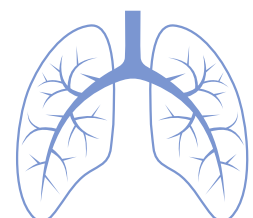


Portable Spirometer

- FVC, SVC and MVV tests
- Color Graphical TFT display
- Built-in thermal printer
- Pre and Post medication results
- Indian Predicted equations
- Internal memory for 3500 tests
- COPD severity
- Overlapped FVC graph
- Auto-Interpretation
- Result table with Predicted, Result achieved, %Predicted, %Improvement
- Full Alphanumeric keypad to enter patient and clinic information
- Detachable and easy to disinfect digital turbine transducer
- Paper-out indication
- Battery status indicators
- PC connectivity for further viewing, reporting and management of Spirometry data



Technical Specifications

SPIROMETER

Flow Range	-10 to +16 litres / sec.
Max Volume	8 litres
Accuracy	±1% (using a standard 3L calibration syringe)
Transducer	Bi-directional Turbine Cartridge
Turbine sensor	Infrared interruption
Flow detection	Volume differential

MEASURED PARAMETERS (Software Specific)

Forced Vital Capacity:

FVC	FEV3	FEV.5/FVC%	FIF50%	FIV.5
FEV1	PIFR	FEV3/FVC%	FIF75%	FIV1
FEV1/FVC%	FEF75-85	FET	FEV.75	FIV3
FEF25-75	FEF2-1.2	Exp Time	FEV1/FEV6	FIV.5/FIVC
PEFR	FEF25%	Lung Age	FEV.75/FVC	FIV1/FIVC
FIVC	FEF50%	FEV6	FEV6/FVC	FIV3/FIVC
FEV.5	FEF75%	FIF25%	FEV.75/FEV6	

Slow Vital Capacity:

SVC,	VE,	Te,	Ti/Ttot,
ERV,	Rf,	VT,	IC
IRV,	Ti,	VT/Ti,	

Maximum Voluntary Ventilation:

MVV,	MVT,	ET/IT
MRf,	ET,	IT,

STANDARD TESTS

Forced Vital Capacity (FVC), Pre/Post, Slow Vital Capacity (SVC) Pre/Post, Maximum Voluntary Ventilation (MVV) Pre/Post

PREDICTED EQUATIONS

ERS 93, ITS Black, ITS White, Knudson 83, BARCELONA, LAM and Indian Predicted Equations

DISPLAY

Data display	Graphs and measurement values
Graphics display	320 x 240 pixels, TFT colored screen
Display size	3.5 inch

PRINTING

Recorder	Thermal printer
Size	80mm (Rolled)
Printing Labels	Patient information, Clinic information
Printout format	Graphs and measurement values

POWER SUPPLY

Line Power	220 - 240V, 50Hz ± 10%
Power Supply Operation	~ AC/DC with on / off line Battery charging
Battery	≡ 11.1V / 2600 mAh, Li-ion rechargeable
Charging Time	3 Hours

MECHANICAL

Dimensions	288 mm x 238 mm x 85 mm
Weight	1.8 Kg approx.

PC MODE

Communication Interface	USB
Features	PC Based Spirometry Test, Data download facility, Pediatric Incentives, Lung Age Calculation, Multiple Report Formats, Ethnic Correction, Unlimited storage

SPO₂ (optional)

Saturation range	0 – 100% (0 – 69% unspecified)
Pulse Rate range	40 – 300 bpm

MINIMUM PC/LAPTOP CONFIGURATION

OS: Windows 10 Professional (64bit) or higher, Processor: Intel i3 10th Generation 2.5 GHz or higher, Hard Disk 500 GB or higher, RAM 4GB or higher, USB Port/Serail Port, CD/DVD Optical Drive and High Resolution LED/TFT

HARDWARE & ACCESSORIES

Component	Quantity
Hand Set	01
Turbine Transducer	01
Software CD	01
USB Cable	01
Reusable Mouth Pieces	01
Adult Nose Clip	01
Pediatric Nose Clip	01
Carry Bag	01
User Manual	01

OPTIONAL

- Disposable Mouth Pieces
- SpO₂ Sensor
- PC / Laptop
- DeskJet / LaserJet Printer

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