

SP - 3401 Spirometer



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

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►► Features

- USB Powered ergonomic handset
- Detachable and easy to disinfect digital turbine transducer
- Best maneuver selection (Auto I Manual)
- FVC, SVC and MW tests
- Indian Predicted equations
- Ethnic corrections
- Pediatric Incentives
- Lungs age calculation
- Flow -Volume /Volume - Time graphs
- Pre-Post bronchodialation test
- Trends
- Doctor's Notes
- Auto-Interpretation
- Customized printing options (single and all curves)



►► Technical Specification

Spirometer

Flow Range	-10 to + 16 litres I 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

Forced Vital Capacity

FVC	FEVJ	FEV.5/FVC%	FIF50%	FIV5
FEVI	PIFR	FEV3/FVC%	FIF75%	FIV1
FEV1/FVC%	FEF75-85	FET	FEV.75	FIV3
FEF25-75	FEF.2·12	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	Tl/Ttot.
ERV	Rf.	VT.	IC
IRV.	Ti,	VT/Ti.	

Maximum Voluntary Ventilation

MW,	MVT,	ET/IT
MRf,	ET,	IT,

Predicted Equations

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

General

Power Supply	USS powered
Communication Interface	USB
Dimensions	150mm X 35mm X 25mm
Weight	120 gms. approx. (handse1 only)

Safety & Regulatory

Standards

IEC 60601 - 1 :1990/ A 1 :1993, IEC 60601 - 1 - 2 :2001, EN ISO 13485:2003, ISO 14971 :2000, EN980 2003

Directives

MDD - 93/42/EEC

EMC - 89/336/EEC

Minimum PC/Laptop Configuration

OS: Windows XP Pro/Window7 Professional 32bit, Processor: Core2Duo or higher, RAM: 2GB or higher, 40 GB harddisk or higher, CD/DVD Optical Drive, Screen Resolution 1024x768 or higher

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
- PC / laptop
- DeskJet I LaserJet Printer

HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

Validations :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

Our Products & Technologies



UV/VIS
Spectro 2080+
Double Beam



Infra FTIR



Optima Gas
Chromatograph
3007



Optima Gas
Chromatograph
2979 Plus



Flash
Chromatograph



Atomic Absorption
Spectrophotometer



Liquid Particle
Counter



Optical Emission
Spectrophotometer



DSC/TGA



Semi Auto Bio
Chemistry Analyzer



HEMA 2062
Hematology
Analyzer



Micro Plate
Reader/Washer



URINOVA 2800
Urine Analyzer



Total Organic
Carbon 3800



Fully Automated
CLIA



NOVA-2100
Chemistry Analyzer



PCR/Gradient PCR/
RTPCR



TOC
Analyzer



Laser Particle
Size Analyzer



Ion Chromatograph



Water purification
system

Regulatory compliances



Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



Analytical
Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.



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