



Digital Spirometer



ATL 4100 SERIES

Technical Specifications

1. The system is able to measure spirometer and flow volume parameters and sub divisions, Maximum Ventilation Volume (MVV), Lung Volume including TLC, RV& FRC by multibreath Closed circuit Helium Dilution/ Nitrogen wash out.
2. Able to perform diffusion studies.
3. Broncho Provocation/ Histamine Challenge Test Software
4. System incorporate Precision Dry Rolling Seal Spirometer (11-13 Litres)/ heated Pneumotech for highest accuracy and reproducibility and Flow Volume Differentiator (Resistance less than 1 cm of H₂O / Litre/Sec
5. Volume resolution < 8ml
6. Accuracy < 0.5%
7. Flow Range+/- 15 Litre / Sec.
8. have linear analyzers for
9. Helium/Methane analyser: Range 0-15% Helium accuracy +/- 0.1 % or Methane analyzer- Range 0-0.35% CH₄, accuracy +/- 0.1%
10. "Carbon Monoxide Analyzer: Range 0- 0.350%CO, Accuracy +/- 0.1%
11. Oxygen Analyzer: Range: Range 0-100% Accuracy +/- 0.1%
12. Gas Control Module with Automatic Filling circuit.



Corporate & Reg. Office: Analytical House, E67 & 68, Ravi Park, Opp. Sainath Park, Vasna Road, Baroda, Gujarat-390 015, INDIA. Tel.: 0091- 265-2253620, 2252839 Telefax: 0091-265-2254395
Email: info@ais-india.com, info@hplctechnologies.com, info@analyticalgroup.net
Web: www.ais-india.com / www.analyticalgroup.net / www.hplctechnologies.com

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13. System have automated O2 compensation during FRC test.
14. System also have fully automated Calibration/Test procedure with computer.
15. Computer specification: CPU corei5 2GB RAM; 150 GB Hard Disk Drive; High Speed DVD/CD Rom, Serial and parallel ports; Keyboard, Mouse and Mouse Pad, Monitor size 15" and printer"

D. Accessories, Spares and Consumables

1. System as specified
2. Helium/oxygen cylinder -01
3. Helium Cylinder-01 b) Cylinders Diffusion Mixtures-02