



Helios 501

Portable Spirometer with Display Screen,
Patient data memory, PC compatibility.



Features

- Portable Mains cum Battery operated device.
- Alphanumeric LCD display.
- FVC, SVC & MVV Tests.
- PRE & POST Bronchodilation.
- Data download to PC software via USB port.
- Can work continuously for 50 hrs on 2 AA Alkaline batteries.
- Evaluation of 32 vital parameters in relation to their standard or user defined prediction equations.
- Simultaneous graphical representation of upto 8 maneuvers for comparison.
- Selection and retention of best maneuver (automatic as well as manual).
- Separate tables for pre & post bronchodilation results with comparison.
- Provision for displaying pre/post medication parameter values on the screen window before the final printout.
- Ethnic correction
- Flow/Volume & Volume/Time plots of both pre & post bronchodilation curves for instant comparison.
- Compact, sleek and light-weight.

Diagnostic Interpretations

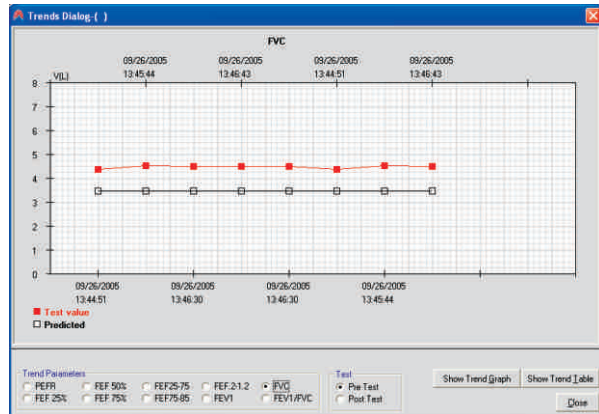
- Graphical representation in the form of interpretation quadrants.
- Comprehensible disorder classification along with reasoning.

FEATURES

- High Resolution TFT Display.
- High Storage Capacity (upto 120 Tests)
- FVC, SVC & MVV Tests.
- Evaluation of 32 vital parameters.
- Tabulated Pre/Post bronchodilation results with flow-volume & volume-time spirograms.
- Ethnic correction.
- User friendly GUI.
- Compact, sleek and light-weight.
- Network support for Internet Access & E-mails.

TRENDS

Trend features allow monitoring of test parameters over a period of time alongwith predicted values, both in tabular as well as graphical form.



TREND TRACE

EQUIPMENT SPECIFICATIONS

Flow range	: ± 16 Litres/sec
Max Volume	: 8 Litres
Overall Accuracy	: Within $\pm 1\%$ (using a standard 3 Litre calibration syringe)
Transducer	: Bi-directional Turbine Cartridge
Turbine Sensor	: Infrared Interruption
Flow Detection	: Volume Differential
Power Supply	: 2 AA batteries/ 5V Adaptor/ USB Port.

PARAMETERS MEASURED

Forced Vital Capacity : FVC, FEV1, FEV1/FVC, FEF25-75%, PEFR, FIVC, FEV.5, FEV3, PIFR, FEF75-85%, FEF2-1.2, FEF 25%, FEF50%, FEF75%, FEV.5/FVC%, FEV3/FVC%, FET, Expl Time

Slow Vital Capacity : SVC, ERV, IRV, VE, Rf, Ti, Te, VT, VT/Ti, Ti/Ttot, IC

Maximum Voluntary Ventilation : MVV, MRf, MVT

Since R&D is a continuous process features & specifications subject to change without notice.



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