MicroLab Spirometer

The future of portable spirometry

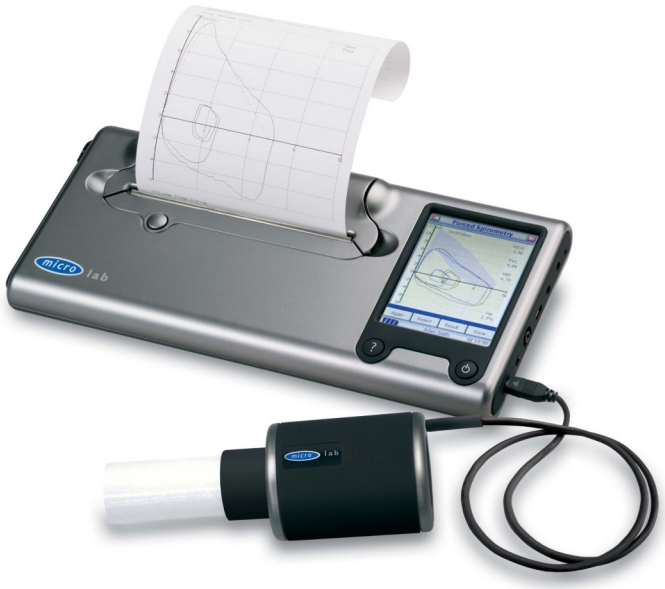
Developed specifically for the professional, the next generation MicroLab employs Micro Medical's acclaimed precision Gold Standard Digital Volume Transducer which is especially suited to measuring the very low flow rates seen in patients with COPD.

The MicroLab features a high definition color touch screen that can display either a Volume/Time curve, a complete Flow/Volume loop or a child incentive graphical display.

The MicroLab can measure up to 41 spirometry parameters and has a database storage capacity for over 2,000 patients. A built-in high resolution printer quickly delivers hard copy results.

Spirometry PC Software is optional and provides expanded data storage capabilities and trend analysis.

The versatile MicroLab spirometer offers a comprehensive range of advanced features normally only seen on expensive pulmonary labs and is shipped complete with all necessary accessories in a sturdy carrying case.



Features

- Gold standard transducer
- Touch screen color display
- Fast on-screen text entry enabling comments
- Three child incentive displays to choose from
- Fast, quiet internal printer
- 41 test parameters
- 2000 patient test memory
- Pre/Post bronchodilator comparison
- Choice of predicted values and languages
- Diagnostic interpretation and estimated lung age
- On-screen test quality prompts
- 2-Year parts and labor warranty
- Spirometry PC Software (Optional)
- Order Catalog #ML3500

Micro Direct, Inc.
803 Webster Street
Lewiston, ME 04240
Telephone 800-588-3381
Fax 207-786-7280

www.mdspiro.com

Technical Specifications:

Product:
MicroLab Mk8

Model Number:
ML3500

Parameters Measured:
Forced
VC, $FEV_{0.75}$, FEV_1, FEV_3, FEV_6, FVC, PEF, $FEV_{0.75}$/VC, $FEV_{0.75}$/FVC, FEV_1/VC, FEV_1/FVC, FEV_3/VC, FEV_3/FVC, $FEV_{0.75}$/FEV_6, FEV_1/FEV_6, FEF_{75}, FEF_{50}, FEF_{25}, FEF_{25-75}, FEF_{50}/VC, FEF_{25-75}/FVC, FIV_1, FIVC, PIF, FIV_1/FIVC, FIF_{25}, FIF_{50}, FIF_{75}, FEF_{50}/FIF_{50}, FEF_{50}/FVC, MET_{25-75}, FET, MVV (ind)
Relaxed
EVC, IVC, IC, VT (TV), Ti, Te, Ti/T_{tot}, VT/Ti (TV/Ti), IRV, ERV, FR

Tests per subject:
5 relaxed VC maneuvers and 8 forced maneuvers for each baseline and two post examinations

Predicted Normals:
Selectable: Knudson, Crapo/Hsu, NHANES III, Polgar, Pereira, ECCS, Berglund, Austrian, Crockett, Gutierrez, Hedenstrom, Roca, Taiwan

Transducer:
Micro Medical Gold Standard
Bi-Directional Digital Volume

Resolution:
10 ml volume 0.03 l/s flow

Accuracy:
+/- 3% to ATS recommendations - Standardization of Spirometry ATS/ERS 2005 Update

Storage:
2000 patients with tests including Flow Volume loops and Volume Time graphs.
Printer Output:
Internal thermal printer

Power Supply:
Input: 100-24V AC 50-60 Hz
Output: 12V 2.5A

Battery Pack:
Rechargeable NiMH 8.4V 1Ah

Dimensions:
Unit: 10” x 4.72” x 1.37”
Transducer: 2” x 2.25” x 3.5”

Weight:
Unit: 1.5 pounds

Temperature:
The instrument will operate in a uniform environment of 32 to 104 degrees Fahrenheit, out of direct sunlight

Operating Humidity:
30% to 90% non-condensing

Storage Temperature:
-4 to 158 degrees Fahrenheit

Storage Humidity:
10% to 90% Relative Humidity

Connectivity:
RS232 serial and USB 1.1

Ordering Info:

Catalog #:

ML3500	MicroLab
SPC1000	Spirometry PC Software (Optional)
3327	Printer Paper (10 rolls)
3385	SpiroSafe Filters (Bag of 100)
3395	MicroCheck Mouthpieces (Box of 200)
3314SB	Cardboard Mouthpieces (Box of 200)
3314B5	Cardboard Mouthpieces (Box of 500)
PSA1100	Pediatric Mouthpiece Adapter
3301	Pediatric Mouthpieces (Bag of 100)
3304	Nose Clips (Bag of 20)
3325	3L Calibration Syringe

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The MicroLab (Cat. No. ML3500) is part of an extensive range of respiratory monitoring equipment offer by Micro Direct Inc..

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