



MicroLab

The future of portable spirometry.

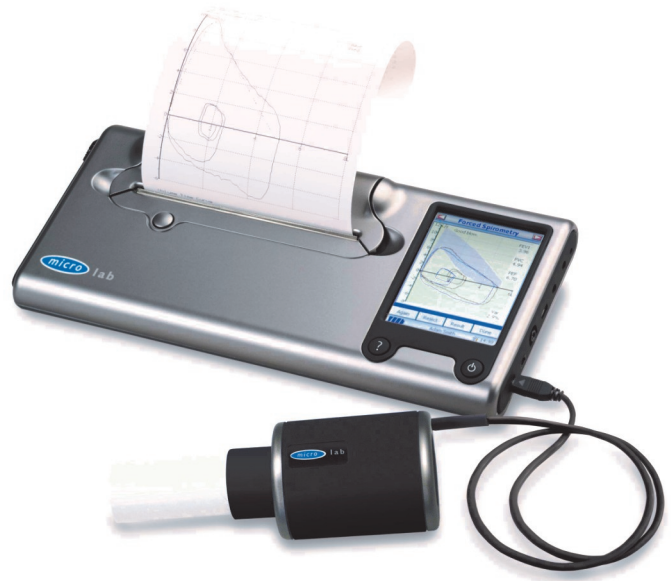
Developed specifically for the professional, the next generation **MicroLab** employs Micro Medical's acclaimed precision Gold Standard Digital Volume Transducer which is especially suited to measuring the very low flow rates seen in patients with COPD.

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; and a 8.5" x 11" printout is possible via an optional Hewlett Packard printer (compatible models specified by MD Spiro).

Spirometry PC Software is included 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
- Direct connect to external Hewlett Packard printers
- 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
- Spirometry PC software Included
- 2-Year parts and labor warranty
- Order Catalog #ML3500-S

Technical Specifications:

Product:

MicroLab Mk8

Model Number:

ML3500-S

Parameters Measured:**Forced**

VC, FEV_{0.75}, FEV₁, FEV₃, FEV₆, FVC, PEF, FEV_{0.75}/VC, FEV_{0.75}/FVC, FEV₁/VC, FEV₁/FVC, FEV₃/VC, FEV₃/FVC, FEV_{0.75}/FEV₆, FEV₁/FEV₆, FEF₇₅, FEF₅₀, FEF₂₅, FEF₂₅₋₇₅, FEF₅₀/VC, FEF₂₅₋₇₅/FVC, FIV₁, FIVC, PIF, FIV₁/FIVC, FIF₂₅, FIF₅₀, FIF₇₅, FEF₅₀/FIF₅₀, FEF₅₀/FVC, MET₂₅₋₇₅, 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 or PCL Level 3 or Hewlett Packard printers (Contact customer service for a list of compatible printers)

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-S	MicroLab w/SPCS Software
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



A DIVISION OF PEKISKO HOLDINGS INC.

443 Village Square
Sherwood Park, AB
Canada T8A 4K2

Tel/Fax: 780-570-5755

tenby-medical.com

The MicroLab (Cat. No. ML3500-S) is part of an extensive range of respiratory monitoring equipment offer by MD Spiro

MD Spiro, Inc pursues a policy of continuing improvement in design, production and performance of its products. The right is there reserved to vary details at any time and without notice.

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