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).

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
- 2-Year parts and labor warranty
- Order Catalog #ML3500
Technical Specifications:

**Product:**
MicroLab Mk8

**Model Number:**
ML3500

**Parameters Measured:**

**Forced**
VC, FEV<sub>0.75</sub>, FEV<sub>1</sub>, FEV<sub>3</sub>, FEV<sub>6</sub>, FVC, PEF, FEV<sub>0.75</sub>/VC, FEV<sub>1</sub>/FVC, FEV<sub>1</sub>/VC, FEV<sub>1</sub>/FVC, FEV<sub>0.75</sub>/FEV<sub>0.75</sub>, FEV<sub>1</sub>/FEV<sub>1</sub>, FEF<sub>75</sub>, FEF<sub>50</sub>, FEF<sub>25</sub>, FEF<sub>25-75</sub>, FEF<sub>50</sub>/FVC, FEF<sub>25-75</sub>/FVC, FIV<sub>1</sub>, FIV<sub>1</sub>/FVC, FIF<sub>25</sub>, FIF<sub>50</sub>, FIF<sub>75</sub>, FEF<sub>50</sub>/FIF<sub>50</sub>, FEF<sub>50</sub>/FVC, MET<sub>25-75</sub>, FET, MVV (ind)

**Relaxed**
EVC, IC, VT (TV), Ti, Te, Ti/T<sub>tot</sub>, 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

**Resolution:**
10 ml volume 0.03 l/s flow

**Accuracy:**
+/- 3% to ATS recommendations - Standardization of Spirometry

**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 #:**

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

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