



alpha

## Effective Spirometry - Pure & Simple

Performing spirometry tests could not be easier than with the new MD Spiro **alpha spirometer**.

Simply enter the patient's age, height and gender, select FVC or VC and begin the test series.

Test information is presented in an easy to read format on a clear, bright, color display. The best test is automatically selected and built-in quality control checks insure accurate results.

Test data along with the diagnostic interpretation and estimated lung age can be instantly printed on the integrated printer or to a PDF file, via a USB connection with our report generation PC software.

The **alpha** features a highly accurate Fleisch pneumotach flow measuring system, battery operated portability and is shipped complete with all necessary accessories in a sturdy carrying case.

The easy to use and affordable all-in-one **alpha spirometer** provides a fast, accurate and cost effective spirometry.



### Features

- Rapid, low cost testing
- Accurate Fleisch pneumotach
- Color high resolution display
- Fast, quiet internal printer
- Rechargeable battery pack
- Real-time curve visualization
- On-screen help menu
- On-screen test quality prompts
- Clear, easy-to-read report
- Pre/Post bronchodilator comparison
- PDF report generation software
- Autoclaveable flow head
- Complete with durable carrying case
- 1-year warranty. Optional 5-year available

#### MD Spiro

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

[www.mdspiro.com](http://www.mdspiro.com)

## Technical Specifications:

**Product:**  
Micro Direct alpha

**Model Number:**  
MD6500

**Size:**  
12" x 10" x 3"

**Weight:**  
4 pounds 7 ounces net

**Parameters Measured:**  
FVC, VC, FEV1, FEV1 ratio, PEF, F25-75, FEF25, FEF50, FEF75, FIF25, FIF50 and FIV75

**Predicted Normals:**  
NHANES III

**Operating Temperature Range:**  
ATS/ERS Limits: 63-98°F  
Design Limits: 50 - 104°F

**Voltage/Frequency:**  
110 - 250V ~ 50/60Hz

**Flow Detection Principle:**  
Fleisch type pneumotachograph

**Volume Detection:**  
Flow integration sampling @ 100Hz

**Volume Accuracy:**  
Better than +/- 3%

**Maximum Display Volume:**  
10 L

**Maximum Test Duration:**  
90 seconds

**Flow Impedance:**  
<0.1kPa/L/S @ 14L/s  
Complies with ATS/ERS 2005

**Accuracy when Operated in Operating Temperature Range Conditions**

Flow +/- 10%  
Max flow rate +/- 16L/s  
Min flow rate +/- 0.02L/s

**Safety Standards:**  
EN ISO 60601-1:2005 -1 -2 -4

**Medical Safety Standard:**  
Medical Devices Directive  
93/42/EEC1993

**Designed & Manufactured Under:**  
ISO 13485:2003, FDA 21 CFR820,  
CMDR & JPAL

**Communications:**  
USB and Compact Flash

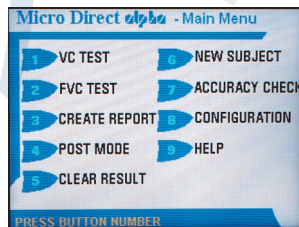
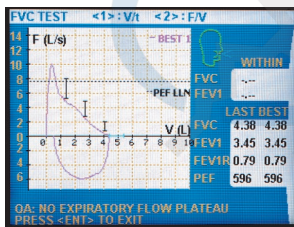
**Performance Standards:**  
ATS/ERS 2005 & EN 13826

**Printer:**  
Thermal

## Ordering Info:

### Catalog #:

MD6500	Micro Direct ALPHA
3385	SpiroSafe Filters (Bag of 100)
3395	MicroCheck Mouthpieces (Box of 200)
3314SB	Cardboard Mouthpieces (Box of 200)
3314B5	Cardboard Mouthpieces (Box of 500)
3301	Pediatric Mouthpieces (Bag of 100)
3327	Thermal Printer Paper (10 Rolls)
3304	Nose Clips (Bag of 25)
42084	Flow Conditioning Meshes (10 per Pack)
3325	3L Calibration Syringe



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