

Effective Spirometry - Pure & Simple

Performing spirometry tests could not be easier than with the new Micro Direct **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 study carrying case.

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



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
- 5-year parts and labor warranty

Micro Direct, Inc.

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

www.micro-direct.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, 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

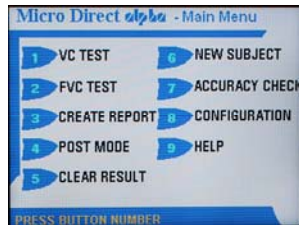
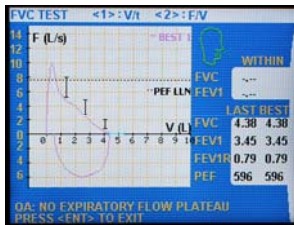
Performance Standards:
ATS/ERS 2005 & EN 13826

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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