

Direct

The new generation of Micro Direct Micro Spirometers

The innovative Micro Direct MicroGP and MicroDL are new generation pocket spirometers offering exceptional features at exceptional prices. These spirometers feature the Micro Medical gold standard digital volume transducer with its proven accuracy, stability and reliability and are fully compliant with the 1994 ATS standards for diagnostic devices.

MicroGP

The inexpensive MicroGP is the device of choice for COPD and asthma screening offering a high degree of accuracy with simplicity of operation. Measuring and displaying FEV1/FVC/PEF with percent predicted as well as allowing a direct printout which includes the small airways flow indicators of F50/F25/MEF and the Flow/Volume and Volume/Time curves.

MicroDL

The MicroDL has the additional features of a large memory capacity allowing up to 500 data sets (including Flow/Volume and Volume/Time curves) to be recorded for either direct printing or uploading to the complimentary Spida 5 software.

Spida 5 PC Software

Available at an additional cost for the MicroGP but supplied complimentary with the MicroDL, the Spida 5 software is an easy to use spirometry data collection and database system that offers powerful comparative and long term trending facilities. Information can be easily downloaded from the MicroDL or can be used real-time with the MicroGP or MicroDL as a low cost PC-based system with minimum set-up and pre-defined reports.

Micro Direct, Inc.

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www.micro-direct.com



MicroGP

- Inexpensive pocket Spirometer for COPD/asthma screening
- Full 8 1/2 x 11 direct printout with Flow/Volume and Volume/Time curves
- ATS/ERS compliance for diagnostic devices
- Displays actual and percent predicted
- Battery operated and ergonomically designed

MicroDL - as MicroGP plus

- 'Traffic light' patient alert system features
- 500 test memory including Flow/Volume and Volume/Time curves
- Ideal for clinical trials/patient home use
- Complimentary Spida 5 PC software

Specifications

Spirometry

- Measurements: FEV₁, FVC, PEF, FEV/FVC, FEF₅₀, FEF₂₅, FEF₂₅₋₇₅ and FET
- Storage: Up to 500 complete data sets including Flow/Volume and Volume/Time curve (MicroDL only)
- Predicted Values: Knudson
- Printer Output: Serial output for Hewlett Packard Printers (Cat. No. MLA450 required)
- Display: 3 1/2" Digit LCD with custom icons
- Transducer: Gold Standard uni-directional digital volume transducer
- Resolution: 10 ml Volume, 0.30 L/S flow
- Accuracy: To ATS 1994 standards for diagnostic devices
- Interface: RS232 input/output
- Software: Spida 5 PC software complimentary (MicroDL only)
- Power Supply: 9 volt Alkaline cell / Lithium back-up battery
- Battery Life: Main battery approximately 24 hours continuous use
Backup Battery > 10 years
- Dimensions: 6.5" x 2.5" x 2"
- Unit Weight: 8 ounces
- Packed Weight: 2.5 pounds

Bibliography

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- 3) Pollard AJ, Mason NP, Barry PW, Pollard RC, Collier DJ, Fraser RS, Miller MR, Milledge JS. Effect of Altitude on Spirometric Parameters and the Performance of Peak Flow Meters. Thorax 1996; 51:175-178.
- 4) Godschalk L, Brackel HJL, Peters JCK, Bogaard JM. Assessment of Accuracy and Applicability of a Portable Electronic Diary Card Spirometer for Asthma Treatment. Respiratory Medicine 1996; 90:619-622.
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