

Specifications

General

Power supply :	Input 5V 0.1A
Dimensions:	50x60x90mm
Weight:	130g
Operating Temperature:	0 to +40°C
Operating Humidity:	30% to 90% RH
Storage Temperature:	-20 to +70°C
Storage Humidity:	10% to 90% RH
Predicted Values:	Various - depends upon national preference.
Transducer:	Micro Medical Bi-Directional Digital Volume.
Resolution:	10ml volume 0.03l/s flow
Accuracy:	+/-3% To ATS recommendations - Standardisation of spirometry 1994 update for flows and volumes.
Measurements:	VC, EVC, IVC, FEV _{0.75} , FEV ₁ , FEV ₃ , FEV ₆ , FVC, PEF, FEV _{0.75} /VC, FEV _{0.75} /FVC, FEV ₁ /VC, FEV ₁ %, FEV ₃ /VC, FEV ₃ /FVC, FEV _{0.75} /FEV ₆ , FEV ₁ /FEV ₆ , MEF75, MEF50, MEF25, MMEF, MEF50/VC, MEF50/FVC, MVV, FIV1, FIVC, PIF, FIV1%, MIF25, MIF50, MIF75, R50, MET, FET, TV, ERV, IRV, IC, FRC, RV, TLC, FRC/TLC, RV/TLC, LUNG AGE, Dyspnoea Score. [all expiratory measurements with baseline, post bronchodilator 1 and 2, % predicted, % change and normal range]

The SpiroUSB (Cat. No. ML2525) is part of an extensive range of respiratory monitoring equipment manufactured by Micro Medical Ltd.

Micro Medical Ltd pursues a policy of continuing improvement in design, production and performance of its products. The right is therefore reserved to vary details at any time and without notice.



Bibliography

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SpiroUSB

Micro Medical

Fully featured PC
spirometry in 3 easy steps



PLUG into your computer to
instantly launch Spida 5



CLICK the 'New Examination'
button in Spida 5



BLOW into the SpiroUSB
and view results



With research grade gold standard transducer



A Powerful Solution for PC-based Spirometry

The SpiroUSB is a revolutionary new type of Spirometer that plugs directly into the USB port of your PC, without the need for any additional docking station or data uploading. If you have a Laptop or Notebook, SpiroUSB becomes highly portable too.

Designed for the professional, the Spiro USB features the Micro Medical renowned Gold Standard transducer. The instrument is very fast, yet simple to use, allowing instant recognition of the transducer to automatically open and run the accompanying software.

The SpiroUSB comes with our market-leading Spida 5 software. With a user-friendly multi-window interface, up to 41 spirometric indices can be measured. Both Open and Closed loop test techniques can be used and graphical child incentives are included. The long term trending of patient results, lung age calculation, and textual result interpretation are also featured.

The Spida 5 software can be easily linked to other patient journal or GP administration systems, occupational health or medical databases.

Available as an option for SpiroUSB is SpidaXpert an advanced interpretation and diagnostic software module.

Micro
Medical



PLUG



CLICK



BLOW

SpiroUSB Cat. No. ML2525

Features

- *Modern USB interface*
- *Spida 5 software included*
- *Plug and use device*
- *Up to 41 Spirometry indices measured*
- *No batteries required*
- *Optional SpidaXpert interpretation and diagnostic module*
- *Animated child incentive device*
- *Configurable printout format*
- *Full test quality control messages with on-line tutoring and ATS quality checks*
- *Textual interpretation*
- *Optional transducer stand*



Advanced, user-friendly
Spirometry PC software

The screenshot displays the SpiroUSB software interface with several key components highlighted by callouts:

- Fully searchable Patient Database:** A table listing patient information such as name, sex, age, height, weight, and test dates.
- Animated child incentive window:** A cartoon character blowing a bubble, used to engage patients during the test.
- Results analysis:** A detailed table of spirometry parameters including FEV1, FVC, and PEF, with numerical values and percentage changes.
- Best volume time curve:** A graph showing volume over time for different test attempts.
- Best flow volume loop:** A graph showing flow over volume for different test attempts.
- All flow volume loops:** A graph showing multiple flow over volume loops for comparison.
- Amendable notes:** A text area for recording clinical observations, such as "Patient observed symptoms of a slight cough before start of Examination."

SpiroUSB Software (Spida 5)

Features

- Multi-window layout is extremely easy and fast to use
- Animated child incentive display
- Real-time Flow/Volume and Volume/Time traces
- Open and closed Flow/Volume loop test technique is possible
- Overlaying of previous test curves for comparison
- Long term trending facility
- Lung age calculation and textual interpretation
- Powerful search capability
- Up to 41 spirometry parameters can be measured
- Can be easily linked to other patient journal or GP administration systems, occupational health systems or other medical databases
- Configurable printout format
- Optional SpidaXpert Interpretation and diagnostics module.

PC System requirements

- Pentium processor or higher
- 32 MB RAM
- 4 MB hard disc space
- One free USB port
- Microsoft® Internet Explorer version 4.01 or above



SpiroUSB Software (Spida 5) is compatible with Microsoft Windows 95, 98, 2000, ME, XP and NT providing the PC System requirements adhered to.