Spirodoc

Portable spirometer

Spirodoc creates a new standards for the use of portable spirometry equipment within health screening. The **Spirodoc** is designed to be used for both mobile and static spirometry testing.

Technology

Incorporating an advanced user interface and touch screen technology, the **Spirodoc** has been developed with great attention to detail to minimise both test times and to enable a wide range of user requirements to be satisfied.

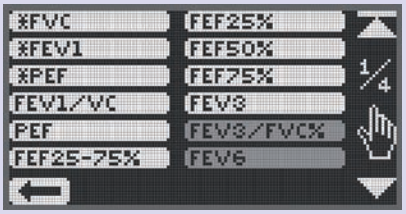
Functionality

A complete range of spirometric parameters can be precisely measured, automatically interpreted and all associated quality control indicators displayed for review.

Automatic BTPS conversion together with an internal memory capacity of up to 10,000 and a wide range of prediction values make for fast accurate standardised results that are automatically recorded for future review.

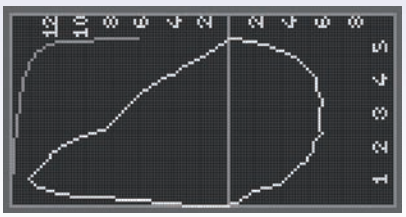
Portability

Weighing just 130g, the **Spirodoc** fulfils all current and future occupational health screening requirements for modern portable spirometry equipment.



Wide choice of spirometric parameters

Patient data entry


Flow/volume and volume/time curves

reddot design award winner

amplivox *specialists in healthcare products*

Spirodoc

Portable spirometer

Technical specifications

Spirometer

Flow sensor:	Bi-directional digital turbine
Flow range:	±16L/s
Volume accuracy:	±3% or 50mL, whichever is greater
Flow accuracy:	±5% or 200mL/s, whichever is greater
Dynamic resistance:	<0.5cmH2O/L/s (at 12L/s)
Temperature sensor:	Semiconductor (0-45°C)
SpO2 range:	0-99%
SpO2 accuracy:	±2% (70-99% SpO2)
Heart rate range:	30-254BPM
Heart rate accuracy:	±2BPM or 2%, whichever is greater

Central unit

Display:	LCD Backlit Touch screen
Resolution:	128x64 pixels
Power supply:	Lithium ion 3.7V, 1100mA rechargeable battery
Data transmission:	USB 2.0 On-The-Go and Bluetooth® 2.1
Accelerometer:	Triaxial ± 2g, 400Hz sampling
Dimensions:	central unit: 101x48x16mm removable turbine head: 46x47x24mm,
Weight:	central unit: 99g removable turbine head: 17g
Battery charger (optional):	100VAC - 240VAC, 50Hz-60Hz output 5VDC, 500mA, micro USB type B

Equipment

FlowMIR

Spirodoc guarantees maximum accuracy combined with 100% hygiene thanks to MIR's exclusive disposable turbine FlowMIR, individually packed and now available with paper mouthpiece. Cross contamination is therefore eliminated. FlowMIR also complies to the latest ATS/ERS standards.

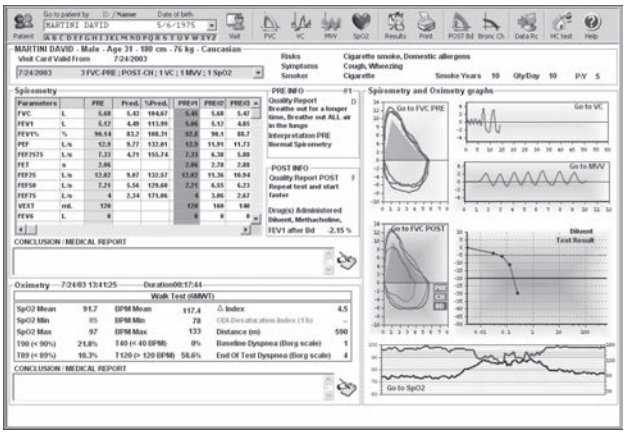
Options available

- Reusable turbine

Measured parameters

FVC, FEV1, FEV1/FVC%, FEV3, FEV3/FVC%, FEV6, FEV1/FEV6%, PEF, FEF25%, FEF50%, FEF75%, FEF25%-75%, FET, Estimated Lung Age, Extr. Vol., FIVC, FIV1, FIV1/FIVC%, PIF, VC, IVC, IC, ERV, FEV1/VC%, VT, VE, Rf, ti, te, ti/t-tot, VT/ti, MVV measured, MVV calculated.

WinspiroPRO software



Summary of all tests carried out

- High performance spirometry PC software supplied as standard
- All tests are memorised in Spirodoc are automatically downloaded into **WinspiroPRO** and a patient data card is created with a preview of the spirometry curve
- The spirometry incentive routine, which has been patented, allows the user to select the patient's favourite image in order to get his maximum compliance
- **WinspiroPRO** can easily be connected to a database or to an EPR, hospital or occupational health system for data transfer
- This software also gives trend graphs of any parameter so is ideal for pro-active statistical analysis
- For any patient, all tests and curves in memory can be reviewed on a single page and the results, including oximetry tests, can be compared

amplivox

Amplivox Ltd, 3800 Parkside, Solihull Parkway,
Birmingham Business Park, Birmingham, West Midlands
B37 7YG United Kingdom

Tel: +44 (0) 1865 880846 • E-mail: hello@amplivox.com

www.amplivox.com