



SpiroPlus[®]

USB Spirometer



Incentive graphics for children
Easy and simple to use
Graphical user interface and settings.
Easily email test results as JPEG!
Trending of patient results
Monitor a patient's response to medication.
Use with MSG WEATHER STATION
Advanced SPIRO-WRIGHT Engine
Accurate and Robust!
No Batteries Required - Uses USB Port power
Meets and Exceeds SANS-451 Standards

New SpiroPlus with 3D TILT Sensing

Forward & Back Tilt Sensing
Left & Right Tilt Sensing
Used for quality control where patients lean too far forward or backwards during the testing procedure.
The world's first spirometer with 3D TILT sensing!



MSG[®] Weather Station
USB



SpiroPlus[®]

USB Spirometer

Spirometry is the most common of the pulmonary function tests. It is an important tool used for generating pneumotachographs, which are helpful in assessing conditions such as asthma, pulmonary fibrosis, cystic fibrosis, and COPD.

Air flow and volume are indicators of lung health and these non-invasive tests can be done in the physician's office or mobile clinic. Blowing forcefully into the **MSG SpiroPlus** provides a quick and easy measure of all vital numbers required to determine lung function.

The **MSG SpiroPlus** operator can be testing patients in no time. The tests can then be emailed or faxed to colleagues for further assessment and discussion. Used extensively around the world!

The MSG SpiroPlus uses state of the art technology combined with ease of use to make it a powerful and effective tool in lung



Optional Extras



MSG[®] 3L Calibration Syringe



MSG[®] Weather Station
USB

Spirometer Specifications

Tests performed FVC Screening, FVC Pre/Post bronchodilator, SVC, MVV

Measuring range ±16 L/s

Transducer type Differential pressure gauge with custom engineered laminar element

Precision Complies with ATS/ERS 2005, Correctly measures all 26 ATS waveforms

Accuracy ATS standard, ISO 23747, Complies with SANS451, FDA (501K)

Air resistance <0.5 cmH₂O.L/s

Resolution 12 Bit @ Sample rate: 330Hz

Power supply USB - No Batteries Required!

Dimensions 14 x 15 x 0,45 cm

Weight 200 g (lightweight and portable unlike other heavy spirometers which weigh over 1.6 KG!)

Classification DIN EN 60601-1, Protection class I, Type BF, Group Iia

Measures all standard parameters FVC, Fivc, Fev1, Fev1% ,Fev3, Fev6, Fef25 ,Fef50, Fef75 ,Fef25-75, Fef75-85, Fif50, Pefr, Pifr, FEV1/Fev6

Predicted equations ECCS, NHANNES III, ERS93, Knudson, HSU, Crap, Morris, Polgar71, Polgar91, ERS93012, ECCS-12, Rosenthal, ECCS-10, SANS-451 (Exceeds)

Calibration 3 litre calibration syringe

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