

Handheld, Stand-alone, PC-Based All In One

The SpiroBank II Spirometer is the next generation pocket spirometer offered by Micro Direct. Specifically designed for situations where low cost precision spirometry measurements are required, the SpiroBank II Spirometer is extremely lightweight and portable making it suitable for physician office, hospital outreach clinics, bedside screening, health fair screenings and home testing. The SpiroBank II Spirometer features a large backlit graphical display and flat touch sensitive keypad. Ease of use and functionality are combined in this modern ergonomically designed spirometer.

Using the winspiroPRO software, the SpiroBank II Spirometer can be used as an inexpensive PC-Based spirometer for real-time testing on your computer or to store and transmit reports. The SpiroBank II Spirometer contains a rechargeable battery ensuring your device is always ready for use.



Features

- Measures FVC, FEV1, FEV1%, PEF, FEF25-75, FET, ERV, VC, IVC, IC

- Post bronchodilator comparison

- Meets ATS/ERS 2019 Standards

- Provides an Estimated Lung Age

- 10,000 Test Memory

- Long Lasting Lithium Rechargeable Battery via USB

- High Resolution Backlit Display

- Choice of Predicted Values

- EHR/EMR Connectivity

- 1-Year Parts and Labor Warranty

- Choice of Reusable or Disposable Turbine

- Model Number: MD10

Technical Specifications

Product

SpiroBank II

Model

MD10

Dimensions

6.3" (Length) x 2.16" (Width) x 1" (Thickness)

Weight

~5 ounces (battery pack included)

Flow Detection Principal

Bi-Directional Digital Turbine
(Disposable or Reusable)

Flow Range

± 16 L/S

Volume Accuracy

± 2.5% or 50 ML

Flow Accuracy

± 5% or 200 ML/S

Dynamic Resistance

< 0.5 cm H₂O/L/S

Temperature Sensor

Semiconductor (32-113° F)

Power Supply

Rechargeable Lithium-Ion 3.7V, 1100 mAh

Current Capacity

1100 mAh

Consumption

~20-30 mA (during testing)

Backup Battery Voltage

None

Batteries Charger

Voltages=5 V DC

Current=Minimum 500 mA

Input Current=100 VAC - 240 VAC

Connector : micro USB type B

Compliant with EN60601-1

Autonomy

50 hours

Connectivity

USB 2.0

Display

LCD Monochrome, 160 x 80 Pixel

Keyboard

Membrane Keyboard with 6 Keys

Mouthpieces

OD 30 MM (1.18 Inch)

Type of Electrical Protection

Internally Powered

Safety Level for Shock Hazard

Type BF Apparatus

Conditions of Use

Apparatus for Continuous Use

Conditions for Storage

Temperature: -4 to 122° F

Humidity: 10% to 95% RH

Operating Conditions

Temperature: 50 to 104° F

Humidity: 10% to 95% RH

Applied Norms

Electrical Safety Standard EN 60601-1

Electro Magnetic Compatibility EN 60601-1-2



winspiroPRO PC Software Included