



spirobank II: Defines what a Pulmonary Mini-Lab can do

Spirobank II The most powerful, the most simple
Unique in the world
All in one Spirometer with 6000 test memory.
Oximeter with 1000 hours recording.
Stand alone or PC online operation.
Graphic display with user friendly icons.
Patient identification by name or ID code.
Bluetooth® connection to printer or mobile phone.
USB, RS232 and wireless acoustic modem.
Upgradeable internal software via internet.

Spirometry printout

Sleep Oximetry printout

Large display All results are shown directly on the display

6 Minute Walk Test printout

SPECIFICATIONS

SPIROBANK II

Spirometry features

FVC, VC, IVC, MVV, PRE-POST BD. Automatically records the best 3 trials. Internal temperature sensor for automatic BTPS. Advanced spirometry test interpretation. Lung age estimation.

SpO2 module (option)

Sleep disorder detection with events recording. Six minute walk test with automatic alarm for rest, walk and recovery. Parameters directly shown on the display (min, max, mean SpO2 and Pulse Rate, Δ Index, T90, T89, T88, T5, ODI, NOD, Desaturation Area etc.). Its innovative functions make it the most unique oximeter on the market

winspiroPRO PC software

Spirometry program
Flow/Volume and Volume/time curves.
PRE-POST bronchodilator comparison.
FEV1 dose-response curve.
Exclusive paediatric incentive system.
Advanced spirometry test interpretation.
Several sets of predicted values.
Integration with Electronic Medical Record.
Data and graphs export also via e-mail.
Oximetry program
PC online with SpO2 and Pulse Rate trend.
Desaturation events analysis.
Possibility to modify the registered data (start/end walk test phase, artefacts, etc.).
One of the most distinctive elements of the spirobank II is the "specialised and detailed" printout in colour, which is easy to read and facilitates the diagnostic interpretation
Complete tests results

Available options

Adult reusable SpO2 finger probe
Adult disposable SpO2 finger probe
Paediatric reusable SpO2 finger probe
Neonatal reusable SpO2 probe
Neonatal disposable SpO2 probe
SpO2 extension cable
RS232 cable for PC

Two different flowmeters available
FlowMir disposable turbine for single patient use. High accuracy. Easy to replace. Very low cost. Designed for use with MIR spirometers. FlowMIR is factory calibrated. Available in box of 100 pieces. No maintenance - No filter - No problem. Hygiene 100% guaranteed by single packaging. MIR digital reusable and disposable turbines are developed in full compliance with ATS standards and guarantee accuracy in all environmental conditions
Reusable turbine for long term operation. High accuracy
Long term stability. Easy to clean or sterilize

Standard price
includes spirobank II base unit
USB cable
Carrying case
Plastic noseclip
4 AAA alkaline batteries
winspiroPRO software CD

Spirometer Technical specifications

spirobank II base unit
Measured values: FVC, FEV1, FEV1/FVC%, FEV6, FEV1/FEV6%, PEF, FEF25%, FEF50%, FEF75%, FEF25-75%, FET, Vext, FIVC, FIV1, FIV1/FIVC%, PIF, *FVC, *FEV1, *PEF, VC, IVC, IC, ERV, FEV1/VC%, VT, VE, Rf, ti, te, ti/t-tot, VT/ti, MVV (* = Best value).
Temperature sensor: semiconductor (0-45°C)
Flow sensor: bi-directional digital turbine
Flow range: \pm 16 L/s
Volume accuracy: \pm 3% or 50 mL, whichever is greater
Flow accuracy: \pm 5% or 200 mL/s, whichever is greater
Dynamic resistance at 12 L/s: <0.5 cmH2O/L/s
Display: graphic LCD - FSTN, 128x64 pixel
Keyboard: membrane, 6 Keys
Communication port: USB, Bluetooth®, and RS232
Bluetooth profile: service discovery application, generic access, serial port
Power Supply: 4 x 1.5 V, AAA battery. On line mode USB PC connected Spirobank II is supplied directly by the PC
Dimension: 60 x 145 x 30 mm
Weight: 180 grams (battery included)

Option: Digital Oximeter

SpO2 range: 0-99%
SpO2 accuracy: \pm 2% between 70-99% SpO2
Pulse Rate range: 30-254 BPM
Pulse Rate accuracy: \pm 2 BPM or 2%, whichever is greater
Measured parameters:
Basic: SpO2 [Baseline, Min, Max, Mean], Pulse Rate [Baseline, Min, Max, Mean], T90 [SpO2<90%], T89 [SpO2<89%], T88 [SpO2<88%], T5 [Δ SpO2>5%], Δ Index [12s], SpO2 Events, Pulse Rate Events [Bradycardia, Tachycardia]
6 Minute Walk Test: T Δ 2 [SpO2 \geq 2%], T Δ 4 [Δ SpO2 \geq 4%], Recording time, Time [Rest, Walking, Recovery], Walked Distance, Predicted Distance [Min, Standard], Desaturation Area/Distance, Borg Dyspnea [Baseline, End, Change], Borg Fatigue [Baseline, End, Change]
Sleep Test: Desaturatin Events, Desaturation Index (ODI), Desaturation [Value, Duration, Nadir], Δ SpO2 [Min Drop, Max Drop], Pulse Variations, Pulse Rate Index, NOD 89 [SpO2<89%; >5 min], NOD 4 [SpO2 Baseline-4%; >5 min], NOD 90 [SpO2<90%; Nadir <86%; >5 min]

Quality spirometry
CE 0476, FDA Approved; ATS Standard, ISO 9001-2000, 13485