



# spirobankG<sup>®</sup>

New generation with Bluetooth<sup>®</sup>

Our world famous spirometer 100% redesigned for a new life with latest cutting edge technology

Accurate  
Complete  
Easy to use



Remote diagnosis via web also with Bluetooth<sup>®</sup> connection

- Stand alone spirometer with PC online operation
- 6,000 spirometry test memory
- High legibility graphic display
- FVC, VC, IVC, MVV, PRE-POST BD
- Advanced spirometry test interpretation
- Lung age estimation
- Ready for Telemedicine applications
- Internal temperature sensor for automatic BTPS
- Upgradable internal software via internet
- USB and Bluetooth<sup>®</sup> connections



Telemedicine option 



PC software included

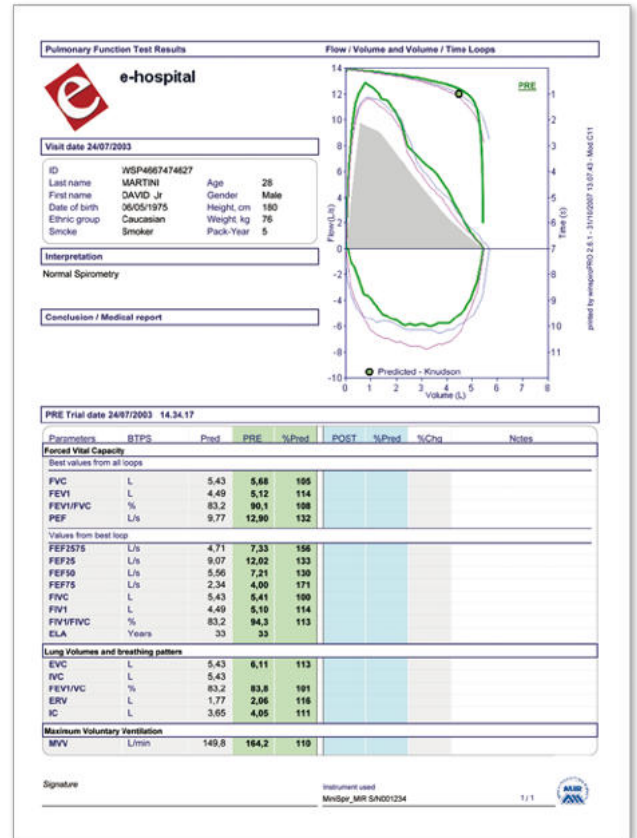


Quality Spirometry

FDA	ATS	ISO	ISO
Approved	Standard	9001-2000	13485

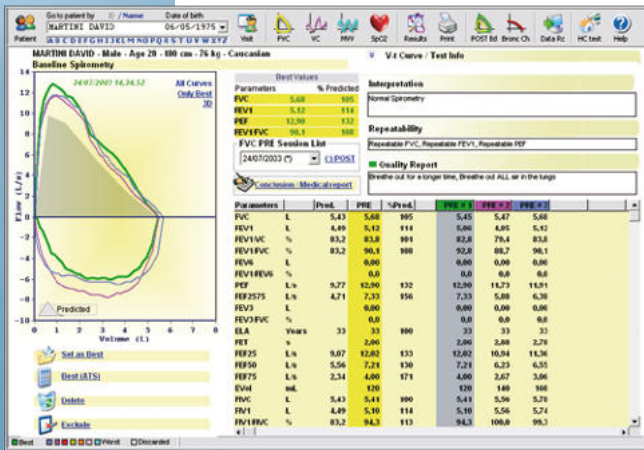


Pediatric incentive animations

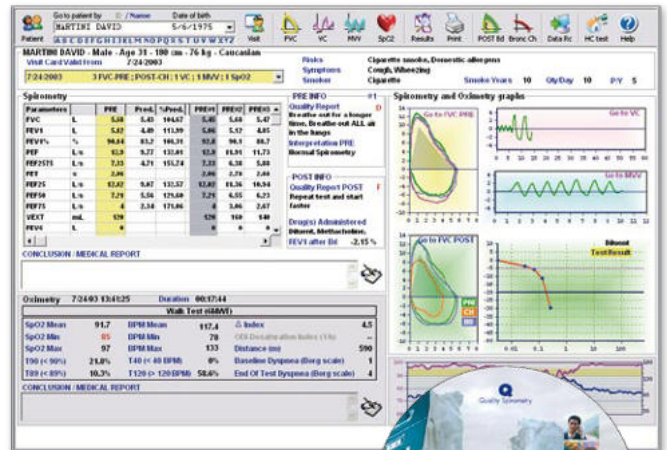


Parameter	RTPS	Pre	PRE	%Pred	POST	%Pred	%Chg	Notes
<b>Forced Vital Capacity</b>								
Best values from all loops								
FVC	L	5.43	5.68	105				
FEV1	L	4.49	5.12	114				
FEV1/FVC	%	83.2	90.1	108				
PEF	L/s	9.77	12.90	132				
<b>Values from best loop</b>								
FEF2575	L/s	4.71	7.33	156				
FEF25	L/s	9.07	12.02	133				
FEF50	L/s	5.56	7.21	130				
FEF75	L/s	2.34	4.00	171				
FVC	L	5.43	5.41	100				
FEV1	L	4.49	5.10	114				
FEV1/FVC	%	83.2	94.3	113				
ELA	Years	33	33	100				
<b>Lung Volumes and breathing pattern</b>								
FVC	L	5.43	6.11	113				
FVC	L	5.43						
FEV1/FVC	%	83.2	83.8	101				
ERV	L	1.77	2.06	116				
IC	L	3.65	4.05	111				
<b>Maximum Voluntary Ventilation</b>								
MPV	L/min	149.8	164.2	110				

Spirometry test details



Complete test summary



## winspiroPRO PC Software

Used worldwide by over 50,000 physicians

- On line PC connection with icon-based interface
- Real time Flow/Volume loop and Volume/time curve
- PRE-POST bronchodilator comparison
- Advanced spirometry test interpretation
- Lung age estimation
- Pediatric incentive animations
- Bronchial challenge test with FEV1 dose-response curve
- Several sets of predicted values
- Data export also via e-mail
- Integration with Electronic Medical Record



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Graphic display with user friendly icons to facilitate use

actual size

## 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



### Reusable turbine for long term operation



- High accuracy
- Long term stability
- Easy to clean or sanitized

### MIR Exclusive Patent

MIR digital reusable and disposable turbines are developed in full compliance with ATS standards and guarantee accuracy in all environmental conditions



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## Technical specifications

Temperature sensor: semiconductor (0-45 °C)  
Flow sensor: bi-directional digital turbine  
Max volume: 10 L  
Flow range: ± 16 L/s  
Volume accuracy: ± 3% or 50 mL, whichever is greater  
Flow accuracy: ± 5% or 200 mL/s, whichever is greater  
Dynamic resistance at 12L/s: <0.5 cmH<sub>2</sub>O/L/s  
Display: 128 × 48 pixel, graphic LCD - FSTN  
Keyboard: 5 keys  
Connectivity: USB and Bluetooth<sup>®</sup>  
Power supply: 9V DC (PP3 battery)  
Dimensions: 6.4 × 1.9 × 1.3 inch (162 × 49 × 32 mm)  
Weight: 6.4 Oz (180 gram) with battery

## Measured parameters

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

## Standard price includes

- **spirobank G<sup>®</sup>** base unit
- USB cable
- Carrying bag
- Plastic noseclip
- Alkaline 9V battery
- **winspiroPRO** software CD



## Option

PC Software  
**winspiroPRO NET**  
Network Version



## winspiroPRO PC system requirements

- Microsoft Windows: Vista, 2000, XP
- Screen resolution: 1024 × 768
- CD-ROM drive
- Hard disk space: 500 MB
- USB socket available

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