



# spirolab II

Diagnostic spirometer  
with high resolution  
colour display

New

Smaller,  
lighter, faster,  
more powerful,  
simple to use  
and accurate,  
Spirolab II  
has it all



Quality Spirometry

CE

0476

FDA

registered

ATS

standard

ISO

9001

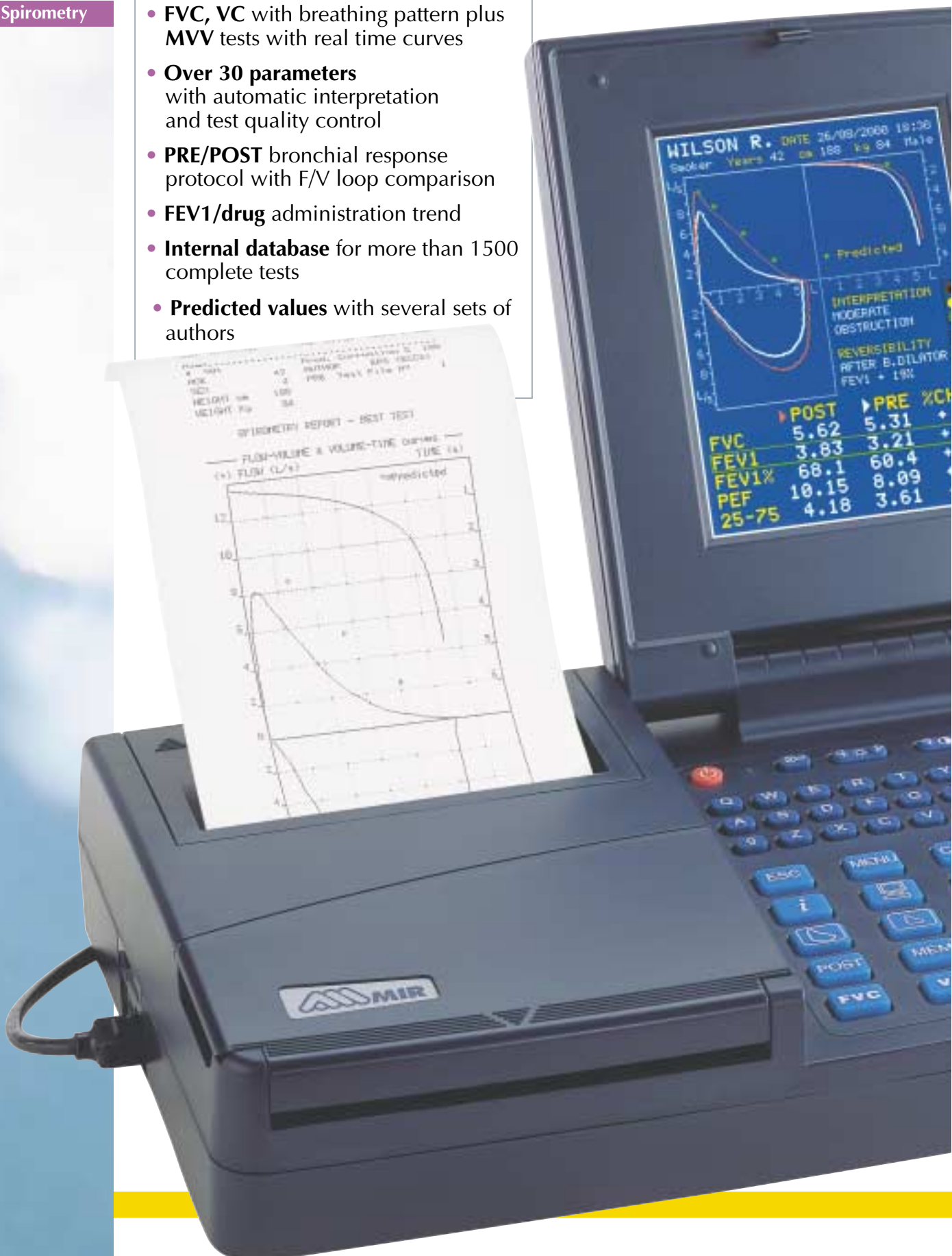
EN

46001



## Complete spirometry testing

- **FVC, VC** with breathing pattern plus **MVV** tests with real time curves
- **Over 30 parameters** with automatic interpretation and test quality control
- **PRE/POST** bronchial response protocol with F/V loop comparison
- **FEV1/drug** administration trend
- **Internal database** for more than 1500 complete tests
- **Predicted values** with several sets of authors



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Diagnostic spirometer  
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## Versatile portable spirometry

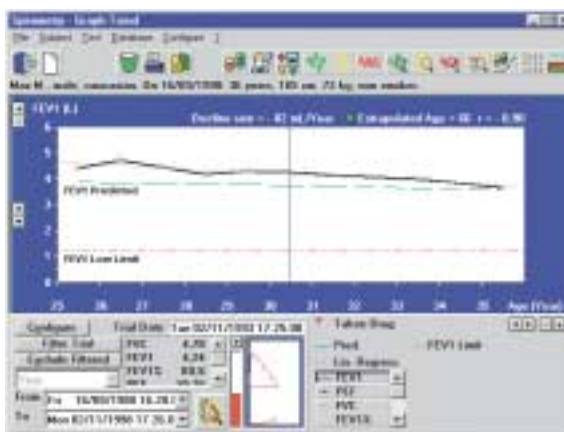
- **External printer** direct connection
- **Only 1.9 kg** for truly portable spirometry
- **Silent thermal printer** full spirometric report prints in seconds
- **Rechargeable battery** plus mains power
- **User-friendly keyboard** with dedicated function keys plus alphanumeric data entry
- **Internal temperature sensor** for automatic BTPS conversion
- **Upgradeable internal software** by connecting to the PC  
Latest version always available at our internet site  
[www.spirometry.com](http://www.spirometry.com)



## Quality spirometry, precise measurement

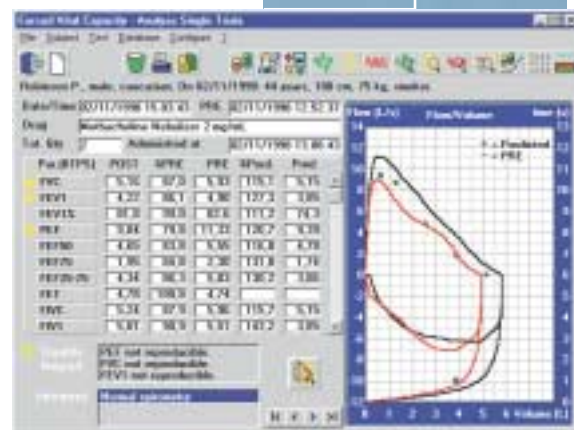
**The proven MIR digital turbine** flow sensor requires no calibration and complies with the severe ATS 24/26 waveforms.





### On-Line PC connection

- **Winspiro software** turns the **spirolab II** into an on-line clinical spirometer with the Flow/Volume curve shown in real time on PC
- **PRE-POST** bronchial challenge test
- **FEV1** dose-response curves
- **Lung Age** estimation
- **FEV1 decline rate** graph with regression analysis
- **User friendly** icon-based interface
- **Database** with link to Central Patient Management System



### MIR Antibacterial/viral filters

- **MIR** offers high efficiency antibacterial/viral filters, in boxes of 50



#### Technical specification

**Power supply:**  
Rechargeable battery and mains power

**Temperature sensor:**  
Semiconductor 0-45° C

**Flow and volume transducer:**  
digital turbine

**Flow/volume range:**  
± 16 Ls<sup>-1</sup> / 10 L, BTPS

**Volume accuracy:**  
± 3% or 50 ml

**Flow accuracy:**  
± 5% or 200 mL/s

**Dynamic resistance:**  
<0.8 cm H<sub>2</sub>O/L/s

**Colour display:**  
FSTN 240x320

**Printer/paper:**  
Thermal, 112 mm width

**Mouthpieces:**  
30 mm external diameter

**Serial output:**  
RS 232, optoisolated

**Dimensions:**  
310 x 205 x 65 mm

**Weight:** 1,9 Kg circa

**Parameters:**  
FVC, FEV1, FEV1%, FEV6, FEV6%, FEV1/FEV6%, PEF, FEF25-75%, FEF25%, FEF50%, FEF75%, FET, Vext, \*FVC, \*FEV1, \*PEF, PIF, FIVC, FIV1, FIV1%, VC, IVC, ERV, IC, VT, VE, BF, Ti, Te, Ti/Ttot, VT/Ti, MVV

**Option:**  
carrying-case



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**Spirolab II conforms to the ATS and ERS standards**

*MIR reserves the right to modify the technical characteristics at any time without prior notice.*