



# SpiroPro® - Great New Features

## Option: Slow Vital Capacity (SVC)



Almost independent of patient-cooperation the SVC-program allows the determination of restrictive lung diseases. Static volumes indicate the volume of air which can be moved after maximal inspiration, maximal expiration or during breathing baseline. Characteristic parameters are: Vital Capacity (VC), Expiratory Reserve Volume (ERV), Inspiratory Capacity (IC) and Tidal Volume (VT).

According to the ATS guidelines, a slow spirometry measurement should always be performed.

## Option: SpO<sub>2</sub>



SpiroPro® can easily perform a spot measurement of SpO<sub>2</sub>, or trend saturation over time. A SpO<sub>2</sub> test and heart rate, accomplished within one hour of a Flow-Volume Loop will automatically be linked together in the database. Trend measurements allow the continuous recording of all SpO<sub>2</sub> and Pulse values for up to 60 minutes. The SpO<sub>2</sub> data is printed out and displayed in a separate report.

## 6-Minute Walk Test



SpiroPro® provides all prerequisites for the performance and analysis of a standardized 6-minute walk test. The walk test is an internationally approved method to determine the physical performance of patients with chronic airway and lung diseases, and cardiac limitations. SpiroPro® perfectly monitors the influence of therapeutic and rehabilitation measures.

## Technical Specifications

- **System description**  
SpiroPro® is a complete system for measurement, recording and assessment of Flow-Volume parameters and Flow-Volume loop. The evaluated data can be immediately printed out.
- **Control unit**  
A microprocessor controls data input and output, acquisition, storage and analysis as well as communication with external equipment, such as printer and PC.
- **Technical data**

Size:	150 x 94 x 40 mm (H x W x D)
Weight:	200 g, including battery
Battery:	3.6 V, 1200 mA (rechargeable)
Life:	Approx. 10 h of continuous operation
Principle:	JAEGER high-quality pneumotach
Interface:	Serial (RS232)
Storage Capacity:	Up to 550 measurements
- **Measuring Range:**

- PEF	0.1 - 16 L/s
- FEV <sub>1</sub> and FVC	0.1 - 8 L
- **Resolution:**

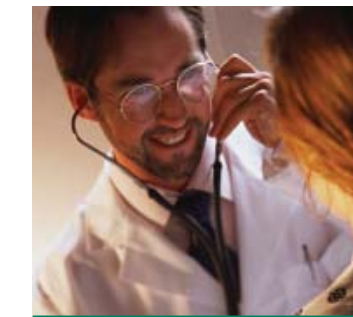
- PEF	5 ml/s
- FEV <sub>1</sub> and FVC	1 ml
- **Accuracy:**

- PEF	±3% / 0.4 L/s
- FEV <sub>1</sub> and FVC	±3% / 0.05 L
- **Resistance:**  
max. 2 kPa at 15 L/s
- **Methods:**
  - Envelope and ATS
- **Items included:**
  - 1 SpiroPro® spirometer
  - 10 disinfectable pneumotachs and mouthpieces
  - 2 nose clips
  - Rechargeable lithium-ion battery, 3.6 V
  - Battery charger, 110 - 240 V, 50 - 60 Hz
  - Printer cable
- **Quality and Safety**
  - Developed, produced and quality-controlled according to ISO 9001/IEC 13485.
  - SpiroPro® is CE (Medical Devices Directive) and FDA certified.



Lung Function  
Screening

# SpiroPro®



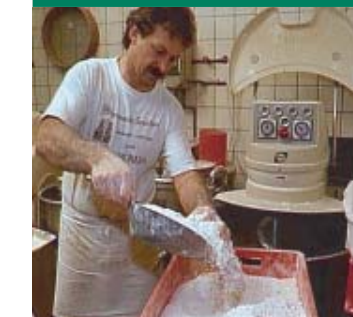
Private Practices/Hospitals



Rehabilitation



Home Visits



Occupational Medicine



**VIASYS**<sup>TM</sup>  
HEALTHCARE  
Excellence For Life  
RESPIRATORY  
TECHNOLOGIES

## Why SpiroPro®?

Clearly, a handheld diagnostic spirometer with the optional SpO<sub>2</sub> measurement is a powerful tool for the modern clinician. Wherever testing is required, SpiroPro® is there - in the office, the hospital, rehabilitation center, at work or home. Use SpiroPro® to monitor the patient when and where symptoms occur. Because SpiroPro® is so easy to operate, patients of all age groups can perform measurements on themselves. With SpiroPro®, you select the appropriate test and location to rapidly improve your patients' quality of life.

SpiroPro®. You could not wish for more.

## Key Features of SpiroPro®:

- Small, easy-to-handle unit
- Slow Vital Capacity
- Flow-Volume loop with pre/post measurement
- 6-Minute Walk Test
- SpO<sub>2</sub> measurement (option)
- Interpretation program
- Direct printout, no PC required
- Storage capacity for up to 550 measurements
- Evaluation software „SpiroPro for Windows“ (option)

Your Dealer:

VIASYS Healthcare  
22705 Savi Ranch Parkway  
USA-Yorba Linda, CA 92887 4645  
☎ +1 (0)800 231-2466  
☎ +1 (0)714 283-8439  
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More detailed information as well as a list of printers supported by SpiroPro® can be found at:

[www.spiropro.com](http://www.spiropro.com)

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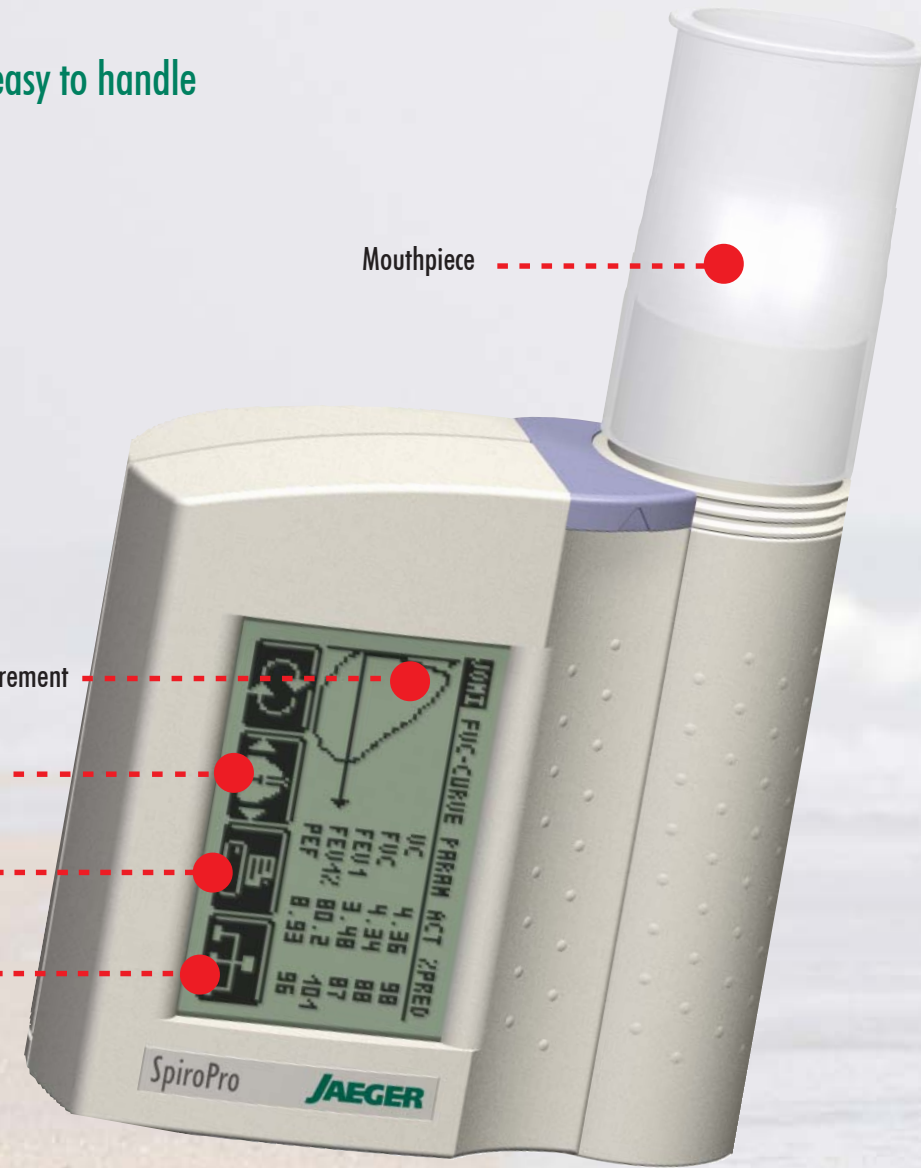
**JAEGER**

Complete Spirometry in  
your Hands

**JAEGER**

# SpiroPro® - The Complete Choice

SpiroPro®:  
Small and easy to handle



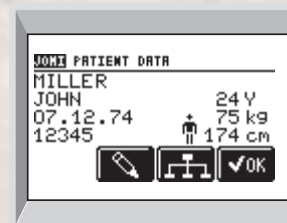
● SpiroPro® in its actual size

Measurement sequence: So easy that you will not look at the user manual.

- **Input and settings:**  
Simply on the display



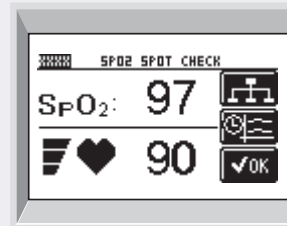
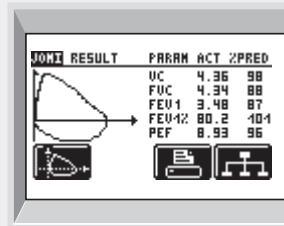
- **Patient data:**  
Clearly displayed



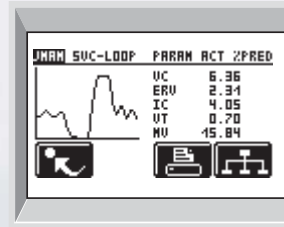
- **SpiroPro® measurements:**  
Whenever and wherever required



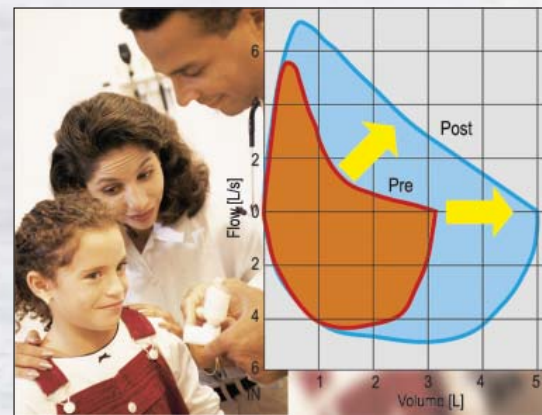
- Flow-Volume measurement
- SpO<sub>2</sub> and Pulse measurement



- Slow Vital Capacity measurement
- 6-Minute Walk Test



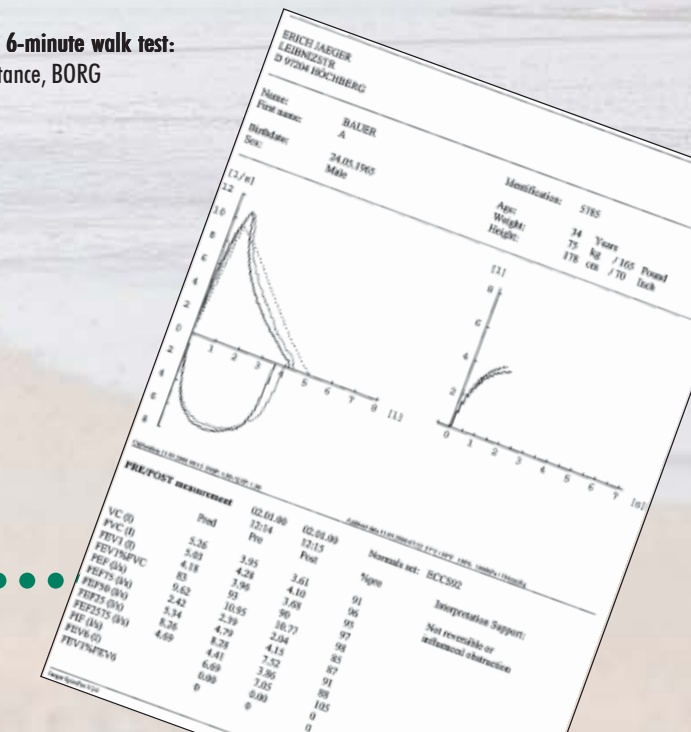
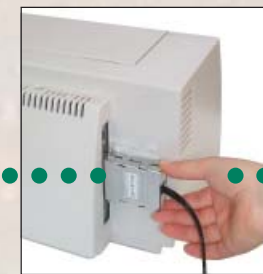
Is airway obstruction reversible?  
SpiroPro® supports your diagnosis.



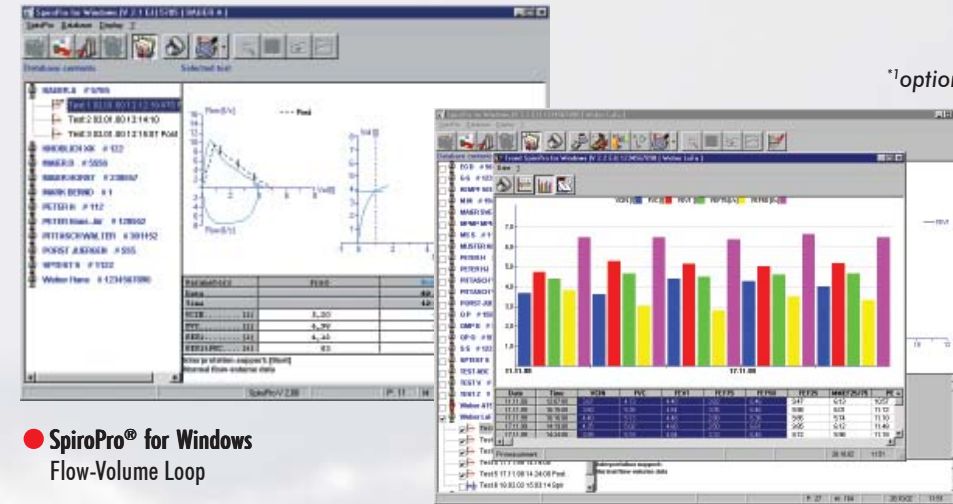
- **Pre/post measurement**  
Reversibility test and interpretation support

Direct printout: Say good bye to your PC!

- **Direct printer output:**  
Connect printer cable and start printing

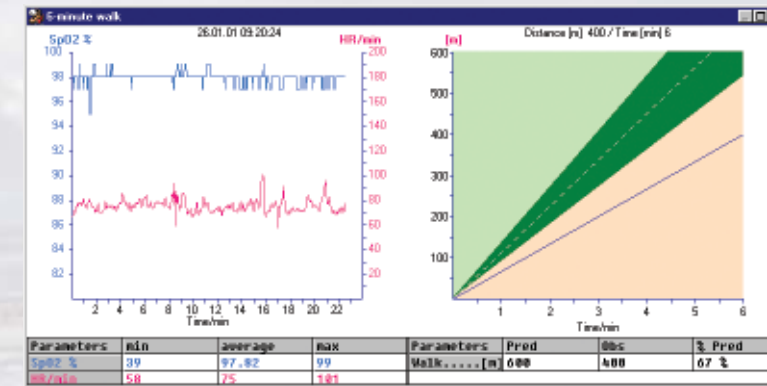


SpiroPro® for Windows\*1:  
Making data retrieval readily available.



- SpiroPro® for Windows  
Flow-Volume Loop

- SpiroPro® for Windows:  
Trend graph



- **Evaluation of a 6-minute walk test:**  
SpO<sub>2</sub>, pulse, distance, BORG

With So Many Spirometers Available, Why Should I Choose SpiroPro®?

SpiroPro® is not just a spirometry screener!

It is a highly precise handheld Pulmonary Spirometer, Oxymeter, and Asthma Monitor.

SpiroPro® clearly offers more than meets the eye and will exceed your expectations long after your first use. You are able to conveniently measure your patient's Flow/Volume Loop, Inspiratory & Expiratory Lung Volumes (VC, FVC, FEV<sub>1</sub>, MEF<sub>50</sub>...), include pre/post measurements with time and date, and SpO<sub>2</sub> with heart rate whenever and wherever you choose.

SpiroPro® utilizes a touch-screen display to enter patient data or select menu options. Powerful interpretation software automatically assesses the measurements according to selected criteria, and saves the results. The integrated database allows you to store up to 550 tests and transfer them to a PC database. The rechargeable lithium-ion battery runs up to two weeks without recharging.

No Computer Needed. Connect your SpiroPro® directly to a compatible printer and your data is printed out at the touch of a button. Of course you may use a computer if you prefer.

Our optional SpiroPro® for Windows software automatically saves data, prints trends, color reports and will export to other applications.

Clearly, the convenience of a disposable flow sensor with the option to clean, is great for both the clinician and patient.

Choose SpiroPro®, you could not wish for more.