Spirometry made simple and affordable!

The SPIROVIT SP-1 is a unique solution to simplify complex lung function testing. The high resolution patient incentive screen displays real-time flow/volume loops and detailed measurement matrices. The data can be either printed within seconds or transmitted to PC.

Disposable Sensor SP-150

With SCHILLER’s unique SP-150 disposable sensors, the risk of cross-contamination is reduced to its minimum. The small, lightweight sensors are low cost and completely disposable. Simply remove, discard and replace the sensor after each patient performance. No need for sterilization, easy handling and saving time are maximum benefits for both patient and physician!

Reusable Sensor SP-20

SCHILLER’s SP-20 reusable sensors are small, lightweight and very easy to clean. The low cost filters provide the most economical method of performing pulmonary function testing.

Features

- FVC, SVC, MVV, MV and pre/post medication tests with choice of predicted normals
- Simple operation
- Internal memory for up to 100 tests (optional)
- Built-in mains and battery operation
- Ready-to-file reports within seconds on 3.5” (90 mm) paper
- Comparison of predicted and actual values
- Automatic interpretation
- Data transmission via built-in RS-232 interface to PC-based data management program SEMA for long-term storage, retrieval and trending
- Everything in one box … memory, battery, printer, patient incentive screen
- Affordable, fast, reliable, CE labeled

Simply Breathtaking

www.schiller.ch
Name: 
Hospital: 
Position: 
Address: 
Phone (daytime): 
Fax: 
e-mail: 

ASIA 
SCHILLER Asia-Pacific 
15-C Jalan SS 5/3, 
Taman Universiti 
47300 Petaling Jaya 
Selangor, Malaysia 
Phone +603 787 5336 
Fax +603 787 5744 
e-mail: schiller@top.net.my

AUSTRIA 
SCHILLER Handelsges. m.b.H. 
Kampmüllerweg 24 
A-4040 Linz 
Phone +43 732 70 99 
Fax +43 732 751 00 
e-mail: sales@schiller.at

C.I.S. 
ZAO SCHILLER RU 
Pokrovsky Blvd. House 3 
Block 1, Office 2202 
Pokrovsky Blvd. House 3 
ZAO SCHILLER RU 
C.I.S. 
e-mail: sales@schiller.ru

FRANCE 
SCHILLER MEDICAL S.A.S. 
4, rue Louis Pasteur 
F-67162 Wissembourg 
Phone +33 3 88 63 36 00 
Fax +33 3 88 94 12 82 
e-mail: info@schiller.fr

GERMANY 
SCHILLER Medizintechnik GmbH 
Rudolf-Diesel-Straße 14 
D-68521 Oebisfelde 
Phone +49 69 609 9810 
e-mail: info@schillermed.de

INDIA 
SCHILLER Healthcare 
India Pvt. Ltd. 
D.C. Silk Mills Compound 
“A” Wing, 1st Floor 
5, Chunawala Estate, Kondivita Lane 
Andheri-Kurla Road, Andheri (E) 
Mumbai – 400 051 India 
Phone +91 22 826 35 20 
Fax +91 22 826 35 25 
e-mail: schiller@vni.com

SPAIN 
SCHILLER ESPAÑA, S.A. 
Avenida Bilbao, 12 – 14 Posterior 
E-28028 Madrid 
Phone +34 91 713 01 76 
Fax +34 91 355 79 33 
e-mail: schiller@schiller-es.com

SWITZERLAND 
SCHILLER-reomed AG 
Riedstrasse 14 
CH-9953 Dietikon 
Phone +41 1 744 30 00 
Fax +41 1 740 37 10 
e-mail: sales@schiller-reomed.ch

TURKEY 
SCHILLER Türkiye 
Halil Sifta Pasa Mah., Darılacece 
Cadde 
Perpa Ticaret Merkezi, Blok No:9/2 
Özümdedendi-Sari-Istanbul, Türkiye 
Phone +90 212 210 86 81 (gilox) 
Fax: +90 212 210 86 84 
e-mail: sales@schiller-turkiye.com

USA 
SCHILLER America Inc. 
11000 NW 41st Street 
Miami, Florida 33178, USA 
Phone +1 786 845 06 20 
Fax +1 786 845 06 02 
e-mail: sales@schilleramerica.com

Technical Data SP-1:
Dimensions: 290x305x17mm, approx. 282 g, 11.4 x 4.4 x 0.7 in, approx. 0.6 lbs
Power Supply Requirements: 230-240V, nominal 30W, 50/60 Hz, or 100-115V, nominal 115V 50/60 Hz; mains independent operation with built-in rechargeable battery and charger unit, LED indication for line or battery operation
Battery Charging time: 15 hours from a completely discharged battery (<3 hours to 60% capacity)
Battery Capacity: 6-hour at normal use
Power Consumption: max. 28VA
Storage: Memory for up to 100 tests
Liquid Crystal Display: Liquid crystal display for graphic and alphanumeric representation
Resolution: 192 x 64 dots
Control is manually variable via keyboard
Chart Paper: Thermoreactive, 2-folded, width 90 mm/3.6 in, perforation each page
Printing Process: High-resolution thermal printhead, 8 dots/mm
Papier speed: 25 mm/s
Safety Class: BF according to IEC 60601-1
Pollution Class: I according to IEC 60601-1, Class 2, IS 222 and UL 2601 (units with internal battery)
Conformity: CE according to IEC 60601-2

Environmental Conditions:
- Temperature, operating: 10° to 40°C/50° to 104°F
- Temperature, storage: -10° to 50°C/14° to 122°F
- Relative Humidity: 25 to 95% (not condensed)
- Pressure, operating: 700-1500 hPa

Standard Interfaces: 1x RS-232 serial interface

SPROIT SP-1: Basic Unit: Performs four inspiratory and expiratory pulmonary function tests with choice of predicted normals

Accuracy:
- 1 pneumotach sensor (choice of SP-150 disposable or SP-20 reusable sensor)
- noise clip
- 1 pack of disposable mouthpieces (for SP-150) or filters (for SP-20)
- 1 power cable
- 1 pack of paper
- 1 operating manual

Hardware Options: Transport case, calibration syringes (necessary)

Software Options:
- SEMA PC Software for validation and archiving of test data on PC
- Memory for up to 100 tests

Measured Values:
FVC, FEV1.0, FEF25–75%, FEF75–85%, PEF, MEF75%, MEF50%, MEF25%, FIVC, FIV1.0, FIV1.0/FIVC, FEF0.2–1.2, Extrapolated predicted values

Prediction Equation:
- Adults: ECCS, Crapo, Morris, Knudson, Knudson 76, Austria, Berglund, Finnish, Indian, Composite, Polgar
- Children: Quanier & Fattamling, Austria, India, Knudson, Knudson 76, Polgar
- Comparison pre/post medication possible

Presentation:
- Flow-volume loop
- Flow-time plot
- Measurement values table

Standards Compliance:
- A6S, AS4, CSRA, RS92

SPROIT SP-150 Pneumotach Flowsensor for Pulmonary Function Testing with Disposable Sensors
Dimensions: 116 x 31 x 20 mm, approx. 62 g, 4.5 x 1 x 0.8 in, approx. 0.02 lbs
Measuring Method: Pneumotachometer
Measuring Resolution:
- Flow: 0 to ±14 l/s
- Volume: 0 to ±5 l

Measuring Accuracy: According A6S 1994
Flow Impedance: <0.2 mbar•l/s at 12 l/s

SPROIT SP-20 Pneumotach Flowsensor for Pulmonary Function Testing with Reusable Sensor
Dimensions: 176 x 31 x 20 mm, approx. 103 g, 6.9 x 1 x 0.8 in, approx. 0.34 lbs
Measuring Method, Measuring Ranges, Measuring Accuracy, Flow Impedance same as SP-150

Technical Data are subject to change without notice.