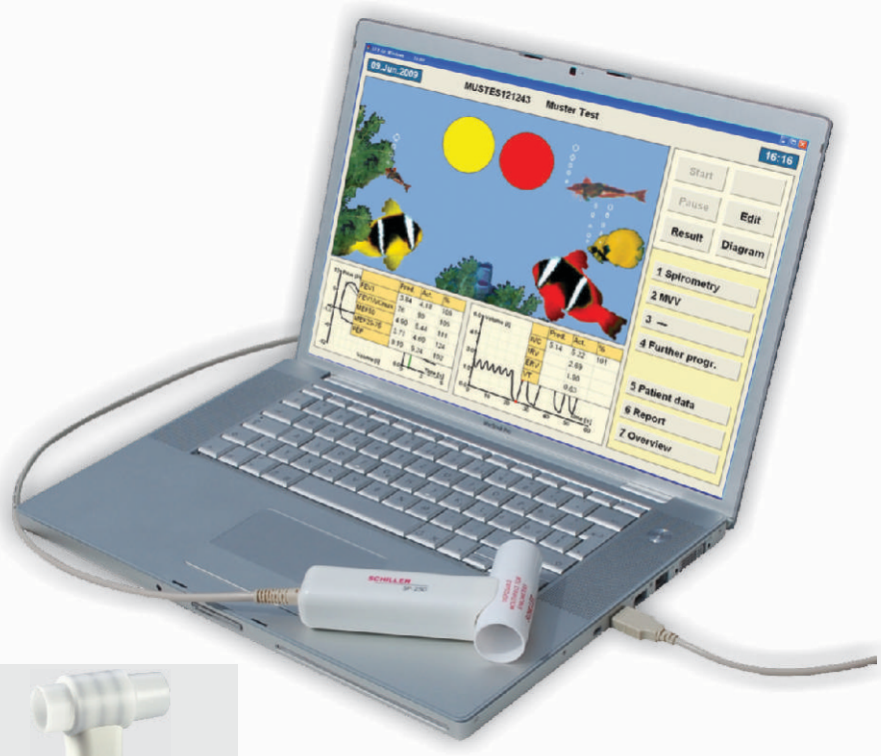


PC-SPIROMETRY

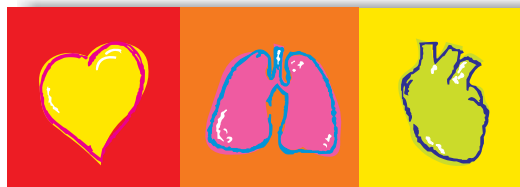
Standalone PC based System



Features

- **Windows Based** - Schiller's Windows based program can be used as a standalone PC-Spirometry System on a Laptop or Desktop computer
- **Sensors** - Easy handling, ergonomically shaped, pleasantly lightweight and thereby comfortable to hold the SP - 260 sensor
- **Comprehensive Pulmonary Function Testing** - Four measurement programs for inspiratory and expiratory tests are available: FVC, SVC, MVV and MV, with nominal/actual differences calculated automatically and pre/post medication comparisons to aid diagnostics
- **Easy operation** - One button push starts the tests. The flow/volume, the volume/time and the flow loop trace is shown in real time and in color. Calibration takes normally less than a minute!
- **Storage and printing** - Pulmonary function data is saved using the on-board Data Management SEMA-200; all previous examinations are easily accessed & reviewed on the screen and can be printed on a laser or color ink-jet printer in seconds
- **Interpretation/Diagnosis** - "Interpretation Quadrant", which differentiates between "Normal", "Obstructive", "Restrictive" or "Combined", complements the diagnostic information
- **Long-Term Comparisons/ Trends** - Trend traces measurement values can be view & compared

CE 0123



SCHILLER

The Art of Diagnostics

PC-SPIROMETRY Technical Data

General

PC Requirements:

- Pentium II
- RS-232 Interface for Sensor
- Windows 98, NT or 2000

Safety standard

Conformity: CE according to 93/42/EEC

Spirometry

Measured Values:

FVC: FVC, FEV0.5, FEV1.0, FEV3.0, FEV0.5/FVC, FEV1.0/FVC, FEV3.0/FVC, FEF0.2-1.2, FEF25-75%, FEF75-85%, PEF, MEF75%, MEF50%, MEF25%, FVC, FIV1.0,

FIV1.0/FVC, FIV1.0/FVC, PIF, MIF50%

SVC: SVC, ERV, IRV, TV

MV: MV, RR, TV

MVV: MVV, RR, TV

Presentation:

- Flow/volume graph
- Volume/time graph
- Flow loop
- Measurement values table
- Measurement values table
- Trend display at > 1 recording per patient
- Interpretation quadrant

Prediction Equation:

- Adults: ECCS, Austria, Crapo, Morris, Knudson, Knudson 76, Polgar, Berglund, Finland, India, Composite
- Children: Quanier & Tammeling, Austria, India, Knudson, Knudson 76, Polgar
- Extrapolated predicted values

- Comparison pre/post medication possible

Standards Compliance: ATS, OSHA, NIOSH

Sensor

SPIROVIT SP-260

Dimensions SP-260:

125 x 36 x 28 mm, approx. 160 g; 4.9x 1.4 x 1.1 in., approx. 0.34 lbs

Measuring Method: Pneumotachometer

Measuring Ranges: Flow : 0 to +/- 14 l/s

Volume : 0 to +/- 11 litres

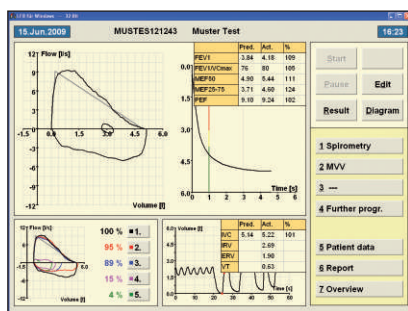
Measuring Accuracy: According ATS < 3%

Flow Impedance: <0.2 mbar *s/l at 12 l/s

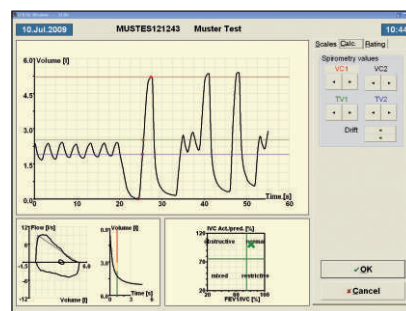
Standard accessories

- Pneumotach sensor (SP-260 reusable sensor) - 1
- Adapter for sensor - 1
- Holder for sensor - 1
- Nose clips - 2
- Disposable mouthpiece (imported) - 1
- Disposable mouthpiece (local) - 100
- Disposable filters (for SP-260) - 1 pack
- Interface adapter PC Spirometry - 1
- SCHILLER software CD ROM - 1
- User manual - 1
- Warranty card - 1

Certification



Flow / Volume & Volume / Time



Spirogram & post processing of measurements

Accessories shown are not part of standard configuration All registered trademarks acknowledged.

Technical data are subject to change without notice

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