



Spiro-M PC

Ultrasound PC Spirometer with 3D Wavefront Ultrasound Technology

- Immediate quality check of FVC graphs
- Integrated Uncertainty-Management
- Anatomic Animation of possible disease
- Automatic internal calibration (external calibration with calibration syringe possible)
- Connection to PC through USB
- Intergrated GDT interface
- Used algorithms: Knudson, E.R.S./Knudson, Crapo & Bass and many more
- Children animation

Spirometer Performance	
Precision	3%
Resolution	8 ml / Sec.
Flow Range	+/- 18 l / Sec.
Sampling Rate	100 MHz
Flow Size	30 mm (OD) x 150 mm
Connector	USB
Power Supply	USB 5 V
Measuring Principle	Wavefront® Multiple Way
Used Algorithms	Knudson, E.R.S. / Knudson, Crapo & Bass / Zapletal, Barcellona, Austrian, Polgar, NHANES III, Crapo, Hsu, Swiss Adult 1996, Stanojevic 2009
Measurable Pulmonary Function Parameters	(FVC, -FEV*0.5, FEV*0.5/IVC, FEV*0.5/FVC, FEV*1.0/IVC, FEV*1.0/FVC, PEF, FEF*25-75%, MEF*75%, MEF*50%, MEF*25%, FET, MTT, FIVC, FIV*0.5, FIV*1.0, PIF, FIF*25-75%, VC, IRV, ERV, TV, Speed of Breathing
Proportion Inhale / Exhale	from 1:10 to 10:1
Interfaces	GDT 2.1, HL 7
PC-Requirements	
Operating System	Windows XP SP3, Vista SP2, 7
Processor	at least 1,6 GHz Dual Core
Internal Memory	at least 2 GB RAM
HDD	at least 500 GB
Interface	1 free USB Port
Measurements	27 x 60 x 150 mm

Spiro-M PC is a new developed PC based Spirometer with the newest 3D Wavefront Ultrasound Technology. The measuring head is connected to a USB port and is also supplied with power from the PC.

This allows the mobile usage e.g. with a Notebook.

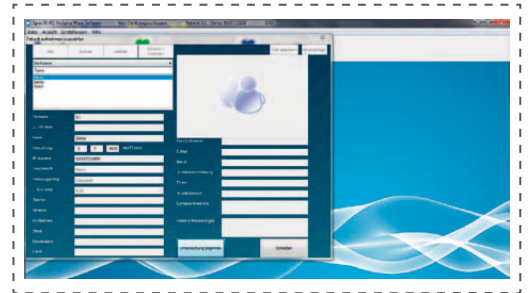
The immediate and during the measurement executed quality check of the FVC graphs and the integrated uncertainty management ensures a highly reliable diagnosis of the pulmonary functions of the patients.

As contrasted with other spirometers, the Spiro-M PC doesn't have to be calibrated anymore.

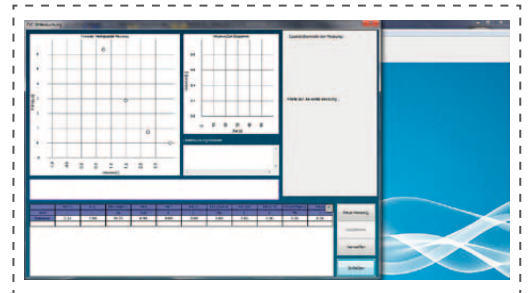
If the quality management needs to have a regular calibration anyway, the possibility is given to use a syringe for calibration.

Software

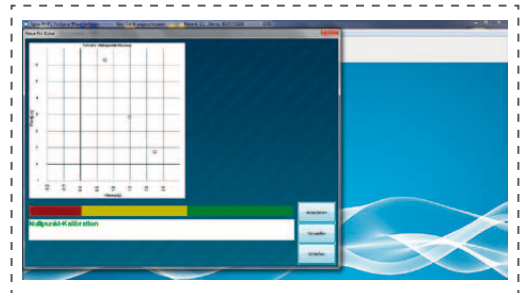
- Start Screen



- Analysis



- Measurement



Accessories

- Virus filter



- Adapter for Children



medical **ECONET**

Mainstr. 6 c - d, 45768 Marl - Germany

t: +49 (0) 2365 924 37 - 0 info@medical-econet.com
f: +49 (0) 2365 924 37 - 55 www.medical-econet.com

CE 0123

Distributor