



# SPIROTHOR

## PC SPIROMETER



**SpiroThor** is a pulmonary function diagnostics and monitoring device suitable for screening COPD and asthma.

**SpiroThor B Edition** features an exceptionally robust design for harsh conditions.

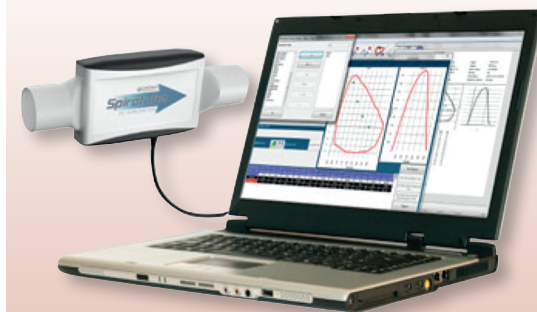
- Built-in automatic internal calibration
- Diagnostic decision support system
- Innovative diagnostic visualization
- Zero cross-contamination (easy to disinfect)
- Robust design\*
- Suitable for harsh conditions, under heavy use in hospitals as well as occupational safety diagnostic and monitoring sites\*
- Silicone cover\*



\* SpiroThor B Edition

## MISCELLANEOUS

- Standard Interfaces, easy integration to ECG, Home monitoring, Tele-medical set-top-boxes
- Ultra-violet lightshield assists disinfection process
- Complete integration package with driver, communication support DLL and example source code available as an option
- Automatic internal calibration, (external validation with calibration pump available as an option)
- Easy and efficient integration to HIS (Hospital Information Systems)
- Software upgrade option
- Plug & Play USB PC connection detection
- Easy upgrade, standard interfaces
- Long-term monitoring for home care use
- Pharmaceutical testing subsystem
- The inner surface of the flow tube is continuous, it can be disinfected with cold disinfecting liquid InstruMed




### THORSOFT PULMONARY DIAGNOSTICS PC SOFTWARE

**All standard medical interfaces** (HL7, GDT, BDT, XML)

**Automatic interpretation module**  
**Diagnostic decision support system** for general practitioners and physicians  
**Complete stress testing procedures**

## SPECIFICATION

Precision	3%
Resolution	8 mL/sec
Flow Range	± 18 L/sec
Dead space	16,8 mL
Flow dimensions	30 mm (OD) x 150 mm
Device dimensions	27 X 60 X 150 mm
Communication	USB
Power supply	USB 5V
Measurement principle	 IDEGEN™ Technology multiple-path 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, Breath rate value
Standard pulmonary function parameters	
Insp./Expi Ratio	From 1:10 to 10:1