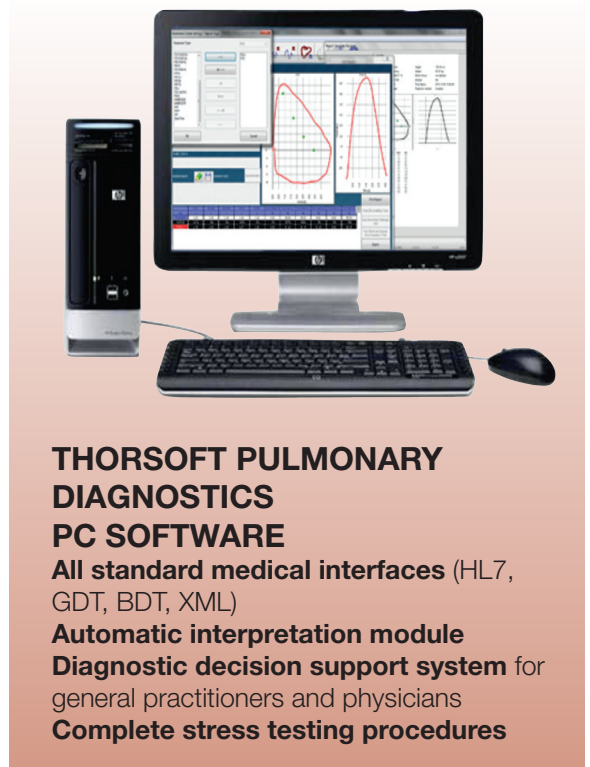# SPIROTHOR PC

## PC SPIROMETER

SpiroThor PC is a pulmonary function diagnostics and monitoring device suitable for screening COPD and asthma. It connects to computers and communicates with our advanced pulmonary diagnostics software via USB.

- Built-in automatic internal calibration

- Diagnostic decision support system

- Innovative diagnostic visualization

- Zero cross-contamination (easy to disinfect)

## MISCELLANEOUS

- Standard Interfaces, easy integration to ECG, Home monitoring, Tele-medical set-top-boxes
- 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

| | |
|---|---|
| Volume accuracy | ± 3% or 50 mL whichever is greater |
| Flow accuracy | ± 3% or 50 mL/s whichever is greater |
| Resolution | 3 mL/sec |
| Maximum volume | ± 20 L |
| Flow Range | ± 14 L/sec |
| Dead space | 16,8 mL |
| Flow tube dimenisons | Ø30 ×165 mm |
| Device dimensions | 28 × 61 × 94 mm |
| Communication | USB |
| Power supply | USB 5V |
| Measurement principle | ⓋIDEGEN™ Technology multiple-path |
| Standard pulmonary function parameters | ELA, EOTV05, EOTV1, EV, FEF25, FEF50, FEF75, FET, FEV05, FEV05%FVC, FEV075, FEV075/FVC, FEV1, FEV1%FEV6, FEV1%FIVC, FEV1%FVC, FEV3, FEV3%FVC, FEV6, FIF25, FIF50, FIF75, FIV1, FIV1%FIVC, FIVC, FVC, MMEF2550, MMEF2575, PEF, PEFT, PIF, tR, VPEF, ZeroTime, ERV, IC, IRV, IVC, RR,TE, TE/TI, TI, TV, TV/TI, VC, VE, MVV |
| Insp./Expi Ratio | From 1:10 to 10:1 |