



# SPIROTHOR MOBILE

## ANDROID SPIROMETER

**SpiroThor Mobile** is an Android-based pulmonary function diagnostics and monitoring device suitable for screening COPD and asthma. It connects to Android devices and communicates with our user-friendly SpiroID application via USB.

- Built-in automatic internal calibration
- Diagnostic decision support system
- Innovative diagnostic visualization
- Zero cross-contamination (easy to disinfect)



## MISCELLANEOUS

- Automatic internal calibration, (external validation with calibration pump available as an option)
- Software upgrade option
- Plug & Play USB
- 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



## SpiroID ANDROID SPIROMETRY

- Intuitive interface
- Automatic interpretation module
- Diagnostic decision support system for general practitioners and physicians
- Database synchronization with PC
- PDF Export



## SPECIFICATION

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