

# SpiroTube DROID

ANDROID SPIROMETER

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**SpiroTube Droid** 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)



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# SpiroTube DROID



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## 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



## SpiroD

ANDROID SPIROMETRY

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



## 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
SpiroD app requirements	Android 4.4 or higher, USB OTG support
Power supply	USB 5V
Measurement principle	IDEGEN™ Technology multiple-path
Standard 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%, IRV, ERV, TV, Breath rate value
Insp./Expi Ratio	From 1:10 to 10:1



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