

SPIROTUBE

PC SPIROMETER




GENERAL DESCRIPTION

SpiroTube is a pulmonary function diagnostics and monitoring device.

SpiroTube is suitable for screening COPD and asthma.

SPECIFICATIONS

- Flow measurement principle:  IDEGEN™ multiple-path
- Flow tube diameter: 30 mm (OD)
- Dead space: 16,8 mL
- Flow resolution: 8 mL/s
- Flow precision: 3 %
- Flow range: +- 18 L/s
- Connection to PC: USB
- Device dimensions: 27 X 60 X 150 mm
- Power supply: USB 5V

Built-in automatic internal calibration

Diagnostic decision support system

Innovative diagnostic visualization

Zero cross-contamination (easy to disinfect)

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SPIROTUBE

PC SPIROMETER

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



ADDITIONAL FEATURES

- Flow measurement principle:  IDEGEN™ 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%, VC,
IRV, ERV, TV, Breath Rate value
- Insp./Expi Ratio : From 1:10 to 10:1

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

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