

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: **WaveFront™** multiple-path
- Flow tube diameter: 30 mm (OD)
- Device weight: 300 g
- Sensor weight: 150 g
- 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 sterilize)

THOR
medical systems

Home of
WaveFront™
Technology

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: **WaveFront™** 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

- Automatic internal calibration, (external validation with calibration pump available as an option)
- Tele-medical connection via Bluetooth
- Firmware upgrade option via Internet
- Plug & Play USB PC connection detection
- Easy upgrade, standard interfaces, e.g. O₂ or CO₂ analog boards attachable
- 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 sterilizing liquid InstruMed

THOR
medical systems

Home of
WaveFront™
Technology