

SPIROTUBE MOBILE EDITION

WIRELESS SPIROMETER

GENERAL DESCRIPTION

SpiroTube Mobile Edition is a pulmonary function diagnostics and monitoring device with bluetooth communication interface and built-in battery.

SpiroTube Mobile Edition is suitable for screening COPD and asthma.

Spirometry software for
your mobile phone!

Please visit the following URL by
using your mobile phone:

www.thormed.com/a.php

Download and run spirometry
software free of charge!

SpiroTube ME is compatible
with any Bluetooth and Java
enabled mobile phone.



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: 2 %
- Flow range: +- 18 L/s
- Bluetooth connection to mobile devices
(e.g. NOKIA mobile phones, PDA devices or any JAVA-ready gadget)
- SpiroTube ME can also be connected to a personal computer
via USB. SpiroTube ME is compatible with the ThorSoft
pulmonary diagnostics PC software
- Device dimensions: 40 X 60 X 150 mm
- Power supply: 2 x AA battery

Built-in automatic internal calibration

Diagnostic decision support system

Innovative diagnostic visualization

Zero cross-contamination (easy to sterilize)

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medical systems

Home of
WaveFront™
Technology

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SPIROTUBE MOBILE EDITION

WIRELESS SPIROMETER

Sophisticated Embedded Java Software

- Compatible with any JAVA-ready mobile device, e.g. mobile phones and PDAs
- Complete pulmonary diagnostics software application
- Automatic interpretation module
- Diagnostic decision support system for general practitioners and physicians
- Synchronization with PC
- Home Care mode available



Small, handheld bluetooth (wireless) thermoprinter

- no printer toner or ink required, only thermo paper,
- reduced costs on the long term!



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



ThorSoft Pulmonary Diagnostics PC software

- Standard medical interfaces available (GDT, XML)
- Automatic interpretation module
- Diagnostic decision support system
for general practitioners and physicians
- POST bronchodilator, PRE bronchorestrictor
procedures available

MISCELLANEOUS

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

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