GENERAL DESCRIPTION

SpiroThor is a pulmonary function diagnostics and monitoring device. SpiroThor 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: 2 %
- Flow range: ± 18 L/s
- Connection to PC or PDA or Mobile Phone: Bluetooth
- Connection to PC: USB or Bluetooth
- Device dimensions: 85 X 120 X 35 mm
- Power supply: USB 5V or 4.2V battery (rechargeable, included)
- Graphical user interface: QVGA (320 X 240 px), 16M colors
- No moving parts

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

Haemoglobin saturation
[integrated oximeter]

THOR
LABORATORIES
HOME OF IDEGEN
TECHNOLOGY

ADDITIONAL FEATURES
- Flow measurement principle: 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, MIT,
  FIVC, FIV*0.5, FIV*1.0, PIF, FIF*25-75%,
  VC, IRV, ERV, TV, Peep (Pressure min), 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,
- Human voice communication with the patient,
- 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

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

Small, handheld bluetooth (wireless) thermoprinter
no printer toner or ink required, only thermo paper, reduced costs on the long term!