Digital Spirometer

AMD-3460

The **Digital Spirometer**, is a PC-based spirometer with oximetry option. When used with our AGNES platform, this device enables specialists to assess respiratory pathologies in real time during a telemedicine visit. This is a great medical device for teleconsultations with Pulmonologists, Respiratory Therapists, Allergist, General Practitioners, Occupational Medicine, Sports Medicine and Cardiologist.

Product Features

- Incomparable Clinical Performance: Accuracy, Features and EMR Integration/Workflow
- Large Selection of Predicted Sets and Predicted Values
- Integrates with EHRs through AGNES® telemedicine platform
- Includes FVC, VC&IVC, MVV, PRE and POST BD & Bronchial Challenge tests
- Real time Flow/Volume loop and Volume/Time Curve with PRE/POST comparison
- Embedded temperature sensors for BTPS conversion
- Automatic Spirometry interpretation with alert messages
- Calibration free: uses a factory calibrated disposable mouthpiece/turbine
- Cross contamination free: prevents exposure to patient inspired or expired air
- Incentive system to improve patient compliance during spirometry test
- ATS compliant and supports NHANES III standard
- Multi-language interface

www.AMDtelemedicine.com

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Technical Specifications

- **Dimensions:** 49,7x142x26 mm
- **Power:** Power via USB, no cradle or battery required

Measured Parameters

Spirometry:

- FVC, FEV1, FEV1/FVC, FEV1/VC, PEF, FEF25, FEF50, FEF75, FEF25–75, Lung Age, Extrap. Volume, FET, FEV3, FEV3/FVC, FEV6, FEV1/FEV6, FIVC, FIV1, FIV1/FIVC, PIF, VC, IVC, IC, ERV, Rf, VE, VT, tI, tE, VT/tI, tE/tTOT, MVV

AGNES®

Integrate with AGNES®

- Simultaneously capture and share medical device data
- Exchange documents and medical images
- Participate in a live video conference with the remote consulting physician

Predicted Sets and Predicted Values in PC Mode

- GLI multi-ethnic; Nhanes III; ATS/ERS: Knudson; ERS (ECCS) / Knudson; Crapo & Bass / Knudson; ERS (ECCS) / Zapletal; Barcellona / Zapletal; Pneumobill / Knudson; Forche 2001 / Knudson; Hedenström / Solymar; Hong Kong Thoracic Society; Pereira 2008-2012; Japan Respiratory Society; CECA 1971; South Korean; Chile 2014; Thailand; Perez-Padilla

Compliance with ATS/ERS 2019

Test Reports Include

- - ATS/ERS 2019 for volume accuracy
- - ATS/ERS 2005
- - ISO 26782:2009
- - ISO 23747:2015
- - IEC 60601-1:2005 + A1: 2012
- - EN 60601-1-2:2015
- - IEC 60601-1-6:2010
- - IEC 60601-1-8:2006+AMD1:2012
- - IEC 60601-1-9:2007+AMD1:2013
- - ISO 10993-1:2018

Accessories Included

- Noseclip - recommended by ATS/ERS guidelines
- Carrying case

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