SPIROLAB COLOUR SPIROMETER with 7" touchscreen,SpO2,printer,software



Product Code	33520
Unit of sale	1 pc
Minimum order	1
Type	Medical device
Class	II A

RDM (NSIS)	2620983
CND	Z12150102
EAN/UPC	8023279335200
PARAF	977813916

Description

SPIROLAB® SPIROMETER WITH 7” TOUCHSCREEN AND SpO2

Fast, simple, durable diagnostic spirometer with Miniflowmeter.

Features
- FVC, VC, MVV, PRE/POST Bronchodilator comparison with a wide range of selectable parameters
- long life rechargeable battery
- colour Touchscreen 7“ display
- direct connection to external USB Printer PostScript
- 10,000 Spirometry tests or 500 hours of oximetry recording
- selectable internal software languages: GB, FR, IT, ES, DE, PT
- fast and silent built-in B/W printer with customizable printout format

Oximetry option
Adult (standard) and pediatric (optional) reusable finger probe available.

Fast and user friendly
Each function can be activated by a simple touch.

FlowMIR® disposable turbine - complies with ATS/ERS standard
Totally disposable (mouthpiece, turbine) guarantees 100% hygiene, no cross contamination. No calibration required.

MDR certified

Suitable for children
Patented pediatric incentive directly on the screen. No need of adaptor.

Dimensions: 220x210x51 mm (8,66x8,26x2“)
Weight: 1450 g (3,1lb) (battery pack included)

<HR>

MIR SPIRO PC software
The next-generation software for Spirometry and Oximetry.
It complies with ATS/ERS 2019. Powerful and advanced, provides a wide range of features in a new graphic and customizable settings. New user interface, much more user intuitive and easier interoperability for EHR/ EMR integration. Automatic updates provide the latest version of software.

MIR Spiro PC Software one year licence subscription included with all MIR spirometers and oximeter.
MIR Spiro software licence has one-year validity
Annual Platinum subscription renewal on mymir.spirometry.com

TEST:
FVC Pre/Post, SVC Pre/Post
Oximetry Spot

24h oximetry holter
MVV Pre/Post
Oximetry 6MWT, Oximetry Sleep

PATIENT MANAGEMENT:
New patient / Patient List / Patient Search
Patient Session Summary
Patient Risk factors/Symptoms
Test cronology comparison
Worklist

PRINTOUTS:
FVC Printout STD and ATS 2019
FVC Printout STD NIOSH/OSHA
Oximetry Calibration Printout and VC Printout
Quality Grade Printout

DATA MANAGEMENT:
Data sharing/Interoperability
Data import from Legacy db
Data Import from third parties sfw db
Data Export in Excel/csv/ATS/HL7/GDT
Data Recovery
Emphysema Severity Index (ESI)
ESI Method Artificial Intelligence

PC SYSTEM REQUIREMENTS:
Windows: 8, 10, 11 (all 32, 64 bit); RAM 1 GB for 32 bit or 2 GB for 64 bit / 1 GHz or faster processor, two or more cores in a 64 bit processor / 1 GB free hard disk space
Mac iOS: operating system from 10.13; RAM 2 GB (recommended 4 GB) / 1 GB free hard disk space
Connection: USB port or Bluetooth low energy
Multilingual software: GB, FR, IT, ES, PT, DE, PL, HU, RO, SE, NL, CZ, LV, TR, UA, GE, RU, CN, JP

Technical Specifications

TECHNICAL SPECIFICATIONS - SPIROMETRY
Power supply: Rechargeable battery, approx. 10 hours autonomy
Battery charger: 100-240 V, 50-60 Hz, 400-200 mA
Temperature sensor: semiconductor (0-45°C)
Flow sensor: bi-directional digital turbine
Flow range: ±16L/s ±5% or 200mL/s
Volume accuracy: ±2.5% or 50mL
Dynamic resistance: <0.5 cm H2O/L/s
Connectivity: USB 2.0, Bluetooth®
Display: 7” colour touch screen LCD, 800x480 resolution
Mouthpieces: Ø 30 mm (1.18 inch)
Electrical protection: Class II
Norms:
Electrical safety standard EN 60601-1
Electromagnetic compatibility EN 60601-1-2

SPIROMETRY PARAMETERS
FVC, FEV1, FEV1/FVC, FEV1/VC, PEF, FEF25, FEF50, FEF75, FEF25-75, FEF75-85, Lung Age, Extrapolated Volume, FET, Time to PEF, FEV0.5, FEV0.5/FVC, FEV0.75, FEV0.75/FVC, FEV2, FEV2/FVC, FEV3, FEV3/FVC, FEV6, FEV1/ FEV6, FEV1/PEF, FEV1/FEV0.5, FIVC, FIV1, FIV1/FIVC, PIF, FIF25, FIF50, FIF75, FEF50/FIF50, VC, IVC, IC, ERV, IRV, Rf, VE, VT, tI, tE, VT/tI, tE/tTOT, MVV (measured), MVV (calculated).

TECHNICAL SPECIFICATIONS - OXIMETRY
SpO2 range: 0-99%
SpO2 accuracy: ± 2% between 70-99% SpO2
Pulse Rate range: 18-300 bpm
Pulse Rate accuracy: ± 2 BPM or 2% whichever is greater
Memory capacity: up to 500 hours oximetry

OXIMETRY PARAMETERS
%SpO2 and Pulse Rate (Min, Max, Average), Test duration, Total SpO2 Events, T90% (SpO2 time =89%), T89% (SpO2 time =88%), T40 (Bradycardia duration with Pulse Rate <40 BPM), T120 (Tachycardia duration with Pulse Rate >120 BPM)

Standard accessories

Battery charger
1 roll thermal paper
Reusable turbine
Carrying case
USB port and cable

MIR Spiro PC software
SpO2 adult sensor
Manual: GB, IT, (FR, ES, DE, PT, NL, SE, PL, HU, RO, BG, RU, GR available on www.gimaitaly.com)