



MIR Intermedical Spirolab

Desktop/Portable Diagnostic Spirometer with PC Software

The MIR Intermedical Spirolab is a portable desktop spirometer that has been especially designed and developed for UK healthcare professionals.

The spirometer comes with a fast, built in thermal printer and can be operated on the mains or on its internal rechargeable battery. The handheld sensor connects to the side of the device and can be used with a re-usable turbine (supplied) combined with a one-way valve mouthpiece or with a disposable turbine (sold separately) that comes individually packaged for optimum infection control.

The Spirolab boasts a large, high-resolution 7 inch colour touch screen display. From entering patient data to obtaining test results, the user interface is simple to navigate and easy to follow with a seamless workflow. The spirometer can easily be configured allowing an array of indices to be selected with a choice of predicted values.

Users are able to clearly see tests performed in real time. Flow volume and volume time graphs (in FVC mode) can be viewed side by side during a live test. Current "best blow" indicators are also displayed on a live test graph as a visual incentive to aid users in motivating patients further in giving their best respiratory effort. The child incentive option is also available.

Fully compliant to latest ATS/ERS standards, the Spirolab can cleverly display advisory messages prompting the user as to what is required (as per the guidelines) in order to achieve optimum spirometry. Test results can be stored on the Spirolab and printed straight away or downloaded later to a PC using the Winspiro PRO software.

KEY FEATURES

- **Portable with fast built-in printer, memory storage and rechargeable battery**
Ideal for use in any clinical setting
- **7" touch screen colour display**
Large, high resolution on-screen icons with touch screen display allows simple navigation
- **Designed for the UK**
Spirometry made simple because it was designed with the UK respiratory healthcare professional in mind
- **Unique incentive options**
Improve patient compliance with on-graph target markers
- **Fully compliant to ATS/ERS 2005 guidelines**
With on-screen test quality advisory messages
- **PC software supplied**
Download test results from the Spirolab to the Winspiro PRO PC Software for further analysis
- **GLI values, LLN and Z-score**

MIR Intermedical Spirolab

TECHNICAL SPECIFICATIONS	
Device category	Diagnostic spirometer
Main spirometry parameters	FVC, FEV1, FEV1/FVC, FEV1/VC, PEF, PEF Time, FEF-2575, FEF7585, FEF25, FEF50, FEF75, FEV05, FEV05/FVC, FEV075, FEV075/FVC, FEV2, FEV2/FVC, FEV3, FEV3/FVC, FEV6, FEV1/FEV6, FEV1/PEF, FEV1/FEV0.5, FET, EVOL, FIVC, FIV1, FIV1/FIVC, PIF, FIF25, FIF50, FIF75, FEF50/FIF50, MVVcal, VC, EVC, IVC, IC, ERV, IRV, VT, VE, Rf, Ti, tE, VT/tl, tl/tTOT, MVV, ELA
Flow/volume sensor	Bi-directional turbine
Method of detection	Infra-red interruption
Volume measurement	Maximum 10 L
Volume accuracy	± 3% or 50 mL
Flow measurement	± 16 L/s
Flow accuracy	± 5% or 200 mL/s
Dynamic resistance @ 12 L/s	<0.5 cmH2O/L/s
Temperature sensor	Semiconductor (0-45°C)
Storage memory	Approx. 5000 records (individual trials)
Power	Rechargeable battery: NiMH 7.2V battery pack (6 batteries, 1.2V each), 4000 mAh, Charger: AC/DC 12W-N1EFM
Display	7 inch colour touch screen LCD Display with 800x480 resolution
Dimensions	220x210x51 mm
Weight	1450 g (with battery installed)
Temperature	Storage: MIN -40 °C, MAX + 70 °C - Humidity: MIN 10% RH; MAX 95%RH Operating: MIN + 10 °C, MAX + 40 °C; Humidity: MIN 10% RH; MAX 95%RH

Ordering Information

PART NUMBER	DESCRIPTION
Configurations	
MR-911082E1	MIR Intermedical Spirolab Spirometer with re-usable turbine
MR-911082E3	MIR Intermedical Spirolab Spirometer/Oximeter with re-usable turbine
Accessories and Consumables	
MR-910002	Replacement re-usable turbine
MR-910004	Disposable turbines (Box of 60)
881002	One-way valve adult mouthpieces for re-usable turbine (Box of 200)
MR-910350	Thermal printer roll (Box of 10)
1690000	3 Litre calibration syringe



Disposable turbine
Code: MR-910004



Re-usable turbine
Code: MR-910002

© 1997-2018. Intermedical (UK) Limited. All rights reserved.

All information, specifications and illustrations contained in this document are based on the latest product information available at the time of publication. Errors and omissions excepted. Intermedical (UK) Limited reserves the right to change specifications and design at any time without prior notice.



Exclusive UK distributor



Cert: 87M18032

Trusted in Respiratory Health.

www.intermedical.co.uk | 01732 522444