



# MIR Intermedical Spirolab

Desktop/Portable Diagnostic Spirometer

The MIR Intermedical Spirolab is a highly portable and compact solution for diagnostic spirometry. Perfect for use in any clinical and/or occupational health setting, the Spirolab can be used on the mains or independently with its internal rechargeable battery providing several hours of use.

Working in collaboration with MIR, the Intermedical Spirolab has been carefully designed and developed to specifically meet the needs of the UK respiratory healthcare professional.

## Spirometry made simple. All on a 7 inch touch screen display.

The Spirolab is feature rich with an extremely easy to use interface and intuitive navigation all on a large high-resolution 7-inch colour touch screen display. The entire process from entering patient data, performing a test, through to obtaining results is seamless thanks to large on screen icons and easy to follow work flow.

## Elegant design with built in peripherals.

As well as its elegant design and software, the device features a built in high definition printer and large storage memory. This allows for test results to be stored for later viewing on-screen, or printed out instantly with a simple touch of a button.

## Re-usable and disposable consumable options.

The Spirolab comes with a re-usable turbine for use with standard adult one-way valve mouthpieces. The turbine is also available as a single use disposable that has been individually factory calibrated with mouthpiece pre-connected and individually packaged.

## KEY FEATURES

- **Portable with built in rechargeable battery**  
Ideal for use in any clinical setting
- **7" touch screen colour display**  
Large, high resolution on-screen icons with fingertip 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
- **LLN and Z-score**
- **Fully compliant to ATS/ERS 2005 guidelines**
- **Disposable or re-usable turbine option**



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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
MR-911082E1	MIR Intermedical Spirolab Spirometer with re-usable turbine
MR-911082E2	MIR Intermedical Spirolab Spirometer with 100 x disposable turbine
MR-910002	Replacement re-usable turbine
MR-910004	Disposable turbines (Box of 50)
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

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