

LIGHT

# MINISPIR LIGHT<sup>TM</sup>

Handheld, PC-based Spirometer

Cost-effective spirometer, designed for software-based medical solutions.



# MAIN features



## REAL-TIME TEST

Spirometry: FVC, VC, PRE/POST Bronchodilator comparison

Spirometry Parameters: FVC, FEV1, FEV1%, FEV6, PEF, FEF25-75, FIVC, Estimated Lung Age, VC, IVC



## PLUG AND PLAY

Power via USB, no internal memory, no display, no maintenance, carrying case included



## COMPLIANCE ATS/ERS 2019

And other Standards including ISO 26782 (for Spirometry), ISO 23747 (for PEF), and more. CE0476, FDA 510 (k)



## PC CONNECTION VIA USB

Real-time test on PC screen, connect with your EHR/EMR, print Medical Report and more



# DISTINCTIVE features



## PREDICTED SETS & VALUES

Large Selection, including comparison %Pred, Z-score and LLN. Include GLI equations



## EASY TO USE IN PRACTICE

Ideal for Occupational Medicine, Sport Medicine and Pediatric Medicine.



## COVID-19 PREVENTION

Complete Disposable Set with Antiviral filter available, to reduce risk of cross-contamination

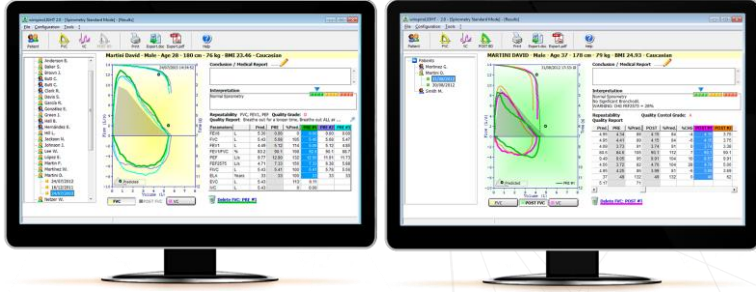
## Always INCLUDED

- Carrying case
- Noseclip
- PC Software license



# Compatible SOFTWARE

winspiroLIGHT 



Pediatric Incentive (PATENTED) to improve patient compliance during the test.

Acceptability Messages, Test interpretation and Quality Control Grade according to the latest Spirometry Standards

## MAIN FEATURES

Windows-based basic solution for Real Time Spirometry.

Wide range of predicted sets and values, including GLI Predicted sets, LLN and Z-score.

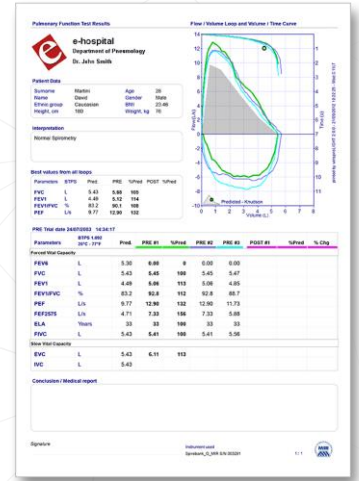
Calibration software for disposable sensors, with personalized printed report.

Spirometry test: FVC-Pre, FVC-Post, VC-Pre

Patient Visit Reports can be easily exported in .DOC or .PDF format

## MEDICAL REPORT

Specialized and customizable printout



# Compatible TURBINE

flowMIR™ Disposable Turbine  Code 910004



Mouthpiece

Turbine Disinfection

Turbine Calibration

Packaging

Antiviral Filter

flowMIR™ Disposable Turbine

Included Disposable

Not required

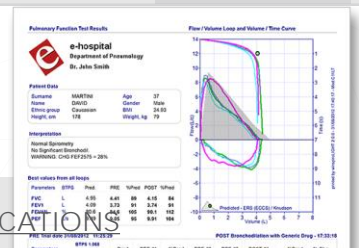
Not required

Individually sealed: 60 or 10 units / box

Available Disposable

VISIT WEBSITE 

SCIENTIFIC PUBLICATIONS 



# TECHNICAL datasheet

PRODUCT CODES - Configurations  
911003 – Minispir Light Spirometer

## Technical specification

Width 49.7 mm  
Length 142 mm  
Thickness 26 mm  
Weight 65 g

## Turbine



Disposable turbine (code 910004)

Supply voltage 5 V d.c. USB connection  
Frequency --  
Rated electrical power 0.25 W  
Rated input current 50 mA max  
Backup battery voltage none  
Connectivity USB 2.0  
Display none  
Mouthpieces Ø 30 mm (1.18 inch)  
IP protection level IPX1  
Type of electrical protection Class II device  
Safety level for shock hazard Type BF Apparatus  
Conditions of use Apparatus for continuous use

Storage conditions Temperature: MIN -20 °C,  
MAX +60 °C  
Humidity: MIN 10% RH;  
MAX 95%RH

Operating conditions Temperature: MIN +10 °C,  
MAX +40 °C  
Humidity: MIN 10% RH,  
MAX 95%RH

Applied norms IEC 60601-1:2005 + Amd1:2012  
EN 60601-1-2: 2015  
ISO 26782: 2009  
ISO 23747: 2015  
ATS/ERS: 2005, 2019 update

PC software winspiroLight

## Spirometry

Flow sensor bi-directional digital turbine  
Flow range ±16L/s  
Volume accuracy ±2.5% or 50 mL  
Flow accuracy ±5% or 200 mL/s  
Dynamic resistance <0.5 cm H<sub>2</sub>O/L/s  
Temperature sensor semiconductor (0-45°C)  
Test available FVC, VC, PRE-POST  
Measured parameters FVC, FEV1, FEV6, FEV1/FVC, PEF,  
FEF2575, ELA, FIVC, IVC, EVC  
database PC software  
Memory capacity

## Certificates & Registrations

CE 0476 MED 9826  
FDA 510 (k) K 122384  
Health Canada 71191 (class II)  
CND code Z12150102 (spiro)  
GMDN code 46906 (spiro)  
Ministry of Health 676007/R)

## ITALY

MIR Head Office  
Via del Magliolino, 125  
00155 Roma  
Tel. +39 06 22 754 777  
Fax +39 06 22 754 785  
Mir.spirometry.com

## USA

MIR USA, Inc.  
5462 S. Westridge Drive  
New Berlin, WI 53151  
Phone +1 (262) 565-6797  
Fax +1 (262) 364-2030

## FRANCE

MIR Local Office  
Jardin des Entreprises,  
290, Chemin de Saint Dionisy  
30980 LANGLADE (France)  
Phone +33 (0)4 66 37 20 68  
Fax +33 (0)4 84 25 14 32