

MINISPIR LIGHTTM

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.

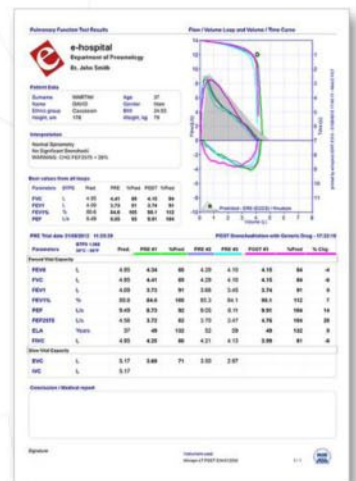
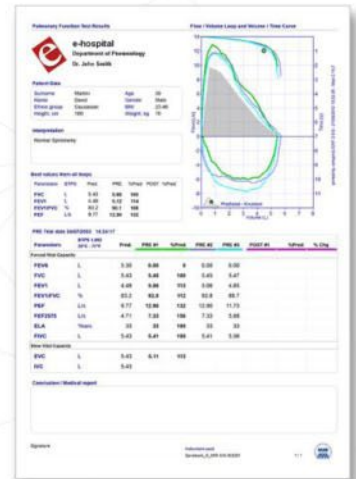
Wide range of predicted sets and values, including GLI Predicted sets, LLN and Z-score.

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

flowMIRTM Disposable Turbine Code 910004



Mouthpiece

Turbine Disinfection

Turbine Calibration

Packaging

Antiviral Filter

flowMIRTM
Disposable
Turbine

Included
Disposable

Not
required

Not
required

Individually
sealed: 60 or
10 units / box

Available
Disposable

Also available in **MORE CONFIGURATIONS**



Technical Specification

Minispir Light

Minispir

| | | |
|-----------------------------|---|---|
| TYPE OF SPIROMETER | PC-Based | PC-Based |
| COMPATIBLE TURBINES | flowMIR™ Disposable Turbine | flowMIR™ Disposable Turbine, Reusable Turbine Flowmeter |
| COMPATIBLE SOFTWARES | Winspiro Light | Winspiro PRO, spiro Connect |
| EXTERNAL CONTROL | Real time test on PC screen, print visit report, back-up database on PC memory and much more Connect to your PC via USB | Real time test on PC screen, connect with your EHR/EMR, back-up database on PC memory and much more Connect to your PC via USB |
| EHR CONNECTIVITY | | Via PC, integration with patient database on your EHR/EMR (in HL7, GDT) |
| MEASURED PARAMETERS | Spirometry: FVC, VC, PRE/POST Bronchodilator comparison Spirometry: FVC, FEV1, FEV6, FEV1/FVC, PEF, FEF2575, ELA, FIVC, IVC, EVC | Spirometry: FVC, VC, IVC, MVV, PRE/POST Bronchodilator comparison Spirometry: FVC, FEV1, FEV1/FVC%, FEV3, FEV3/FVC%, FEV6, FEV1/FEV6%, PEF, FEF25, FEF50, FEF75, FEF2575, FET, ELA, EVOL, FIVC, FIV1, PIF, FIV1/FIVC%, PIF, IRV, VC, IVC, IC, ERV, FEV1/VC%, VT, VE, Rf, tI, tE, ti/tTOT, VT/tI, MVV |

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 H₂O/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) |