MINISPIR LIGHT ™

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
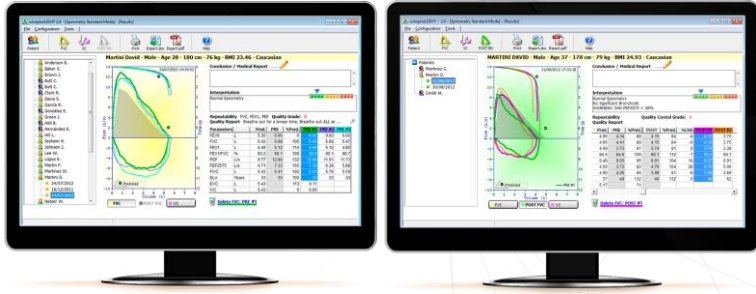
Always INCLUDED

- ❰ Carrying case
- ❰ Noseclip
- ❰ PC Software license

Compatible SOFTWARE

❱ winspiroLIGHT ⊞

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

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

MAIN FEATURES

Windows-based basic solution for Real Time Spirometry.

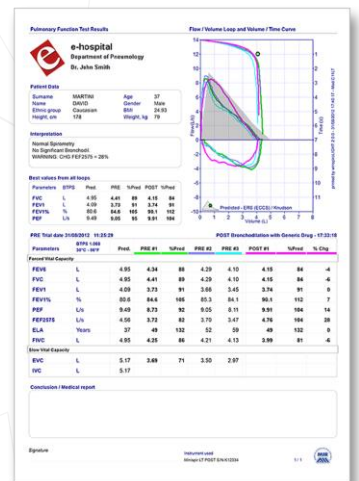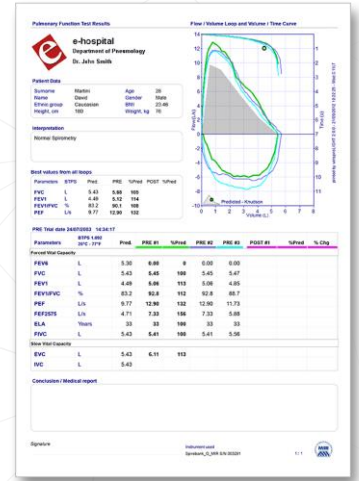Wide range of predicted sets and values, including GLI Predicted sets, LLN and Z–score.

Calibration software for disposable sensors, with personalized printed report.

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

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

MEDICAL REPORT

Specialized and customizable printout

Compatible TURBINE

❱ flowMIR ™ Disposable Turbine   ❱ Code 910004

flowMIR ™ Disposable Turbine	Mouthpiece	Turbine Disinfection	Turbine Calibration	Packaging	Antiviral Filter
	Included Disposable	Not required	Not required	Individually sealed: 60 or 10 units / box	Available Disposable

VISIT WEBSITE

SCIENTIFIC PUBLICATIONS

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

COMPARE ON WEBSITE

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
Memory capacity	database PC software

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)