

Personal Smart

SMART ONETM

App-Based Spirometer

The simplest device for Personal Care.
Real time test available on
Smartphone and Tablet
via Bluetooth Smart 4.0



MAIN features



AUTOMATIC PAIR AND PLAY

Automatic pairing via Bluetooth BLE. Real-time test result on your Smartphone and Tablet



MEASURED PARAMETERS

Spirometry Parameters: PEF, FEV1



COMPLIANCE ATS/ERS 2019

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



MOBILE APP INCLUDED

Intuitive App for self-management of lung conditions, always included for iOS and Android



DISTINCTIVE features



SPIROMETRY GUIDELINES

Suitable for all ages from 5 to 93 years and multi-ethnic groups (GLI predicted sets)



PERSONAL CARE

Ideal in the self-management of Asthma, COPD, CF and other chronic lung disease



MEDICAL REPORT

Share with anyone at anytime via eMail, Whatsapp, SMS, Cloud, Drive and other Apps



COVID-19 PANDEMIC

Avoid going to the hospital or medical offices during COVID-19 pandemic

GO-TO-MARKET TOOLKIT

Software Development Kit available for System Integrators and App Developers. OEM service available for Spirometry and Oximetry.



Learn more about available SDK and OEM



Always INCLUDED

- 2x AAA 1.5V Batteries
- Single Patient Reusable Turbine
- Plastic reusable mouthpiece
- User manual
- App for Smartphone and Tablet (iOS and Android)

Compatible SOFTWARE

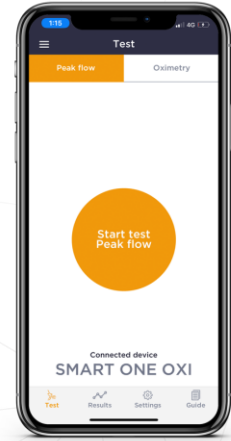
MIR SMART ONE APP

Mobile App (iOS and Android), for real time spirometry test, directly on your Smartphone and Tablet via Bluetooth Smart



REAL TIME TEST

Spirometry: PEF, FEV1



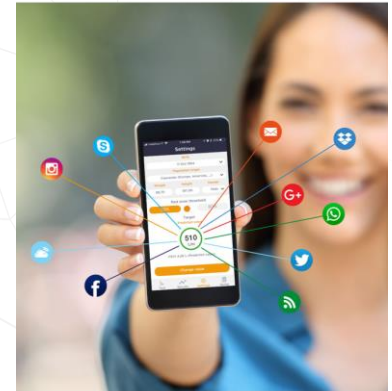
MEDICAL REPORT

PDF report available for selectable date range. Include test results, traffic light indicators for PEF and e-Diary.

Date	Min	Max	Peak Flow	Median	FEV1
5 Sep 2020 - 11 Sep 2020	400	500	500	450	1.5
10 Sep 2020 - 10 Sep 2020	400	500	500	450	1.5
9 Sep 2020 - 9 Sep 2020	400	500	500	450	1.5
8 Sep 2020 - 8 Sep 2020	400	500	500	450	1.5
7 Sep 2020 - 7 Sep 2020	400	500	500	450	1.5
6 Sep 2020 - 6 Sep 2020	400	500	500	450	1.5
5 Sep 2020 - 5 Sep 2020	400	500	500	450	1.5
4 Sep 2020 - 4 Sep 2020	400	500	500	450	1.5
3 Sep 2020 - 3 Sep 2020	400	500	500	450	1.5
2 Sep 2020 - 2 Sep 2020	400	500	500	450	1.5
1 Sep 2020 - 1 Sep 2020	400	500	500	450	1.5

SHARE RESULTS

Share results in PDF With anyone at anytime via eMail, Whatsapp, SMS, Cloud, Drive Bluetooth, Airdrop and other Apps



PERSONAL TREND

E-diary, symptoms scoring and notes can be added for each test. Graphic trends available for self-monitoring of PEF and FEV1



INCENTIVE

Real time animation on Smartphone, to improve personal compliance during the test



Compatible TURBINE

Single Patient Reusable Turbine



Mouthpiece	Turbine Disinfection	Turbine Calibration	Packaging	Antiviral Filter
Included Reusable	Not required	Not required	Individually sealed: 1 unit / box	Not required



PLAY VIDEO



SCIENTIFIC PUBLICATIONS



TECHNICAL datasheet

PRODUCT CODE 911100

Technical specification

Width	49 mm
Length	109 mm
Thickness	21 mm
Weight	60.7 g (batteries included)

Turbine



Single Patient Reusable Turbine
with Mouthpiece (code 910013)

Power supply	2 batteries AAA 1.5 V
Consumption	max 12 mA Stand by 8 μ A medium
Backup battery Voltage	none
Batteries charger	none
Autonomy	5-10 years
Connectivity	Bluetooth® 4.0
Mouthpieces	\varnothing 30 mm (1.18 inch)

Type of electrical protection	Internal power supply
Safety level for shock hazard	Type BF Apparatus
Conditions of use	Apparatus for continuous use

Conditions of storage	Temperature:	MIN -25 °C, MAX +70 °C
	Humidity:	MIN 10% RH; MAX 93%RH
Operating Conditions	Temperature:	MIN +5 °C, MAX + 40 °C
	Humidity:	MIN 10% RH, MAX 93%RH
Shipping conditions	Temperature:	MIN -25 °C, MAX +70 °C
	Humidity:	MIN 10% RH; MAX 93%RH

Applicable standards

IEC 60601-1:2005+Amd1:2012
EN 60601-1-2: 2015
EN ISO 14971: 2019
ISO 10993-1: 2018

2011/65/UE Directive
EN ISO 15223:2016
IEC 60601-1-6:2010+Amd2013
IEC 60601-1-11: 2015
ATS/ERS Guidelines
ISO 26782: 2009
ISO 23747: 2015

Spirometry

Flow sensor	bi-directional digital turbine
Flow range	\pm 16L/s
Volume accuracy	\pm 2.5% or 0,05 L
Peak Flow accuracy	\pm 10% or 0,33 L/s
Dynamic resistance	<0.5 cm H ₂ O/L/s
Temperature sensor	none
Test available	Peak Flow
Measured parameters	FEV1, PEF
Memory capacity	the application on the smart phone memorizes data

Certificates & Registrations

CE 0476	MED 9826
FDA 510 (k)	K181666
Health Canada	96378 (class II)
CND code	Z12150102
GMDN code	46906
Ministry of Health	1380054/R

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