



Technical specification

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

Turbine



Reusable Turbine with plastic
Mouthpiece (code 910013)



Disposable turbine (code
910004)

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

Lifetime

5 years

Connectivity

Bluetooth® 5.0 ready

Mouthpieces

Ø 30 mm (1.18 inch)

Type of electrical protection

Internally powered

Safety level for shock hazard

Type BF Apparatus

IP protection level

IP22

Conditions of use

Apparatus for continuous use

Storage conditions

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 15% RH, MAX 93%RH

Shipping conditions

Temperature: MIN -25 °C, MAX +70 °C

Humidity: MIN 10% RH; MAX 93%RH

Spirometry

Flow sensor	bi-directional digital turbine
Flow range	± 16 L/s
Volume accuracy	$\pm 2.5\%$ or 0,05 L
Flow accuracy	$\pm 5.0\%$ or 0,20 L/s
Dynamic resistance	< 0.5 cm H ₂ O/L/s
Temperature sensor	none
Test available	FVC, VC
Measured parameters	FEV1, PEF, FVC, FEV6, FEV2575, FVC2575

Additional parameters

FEF75, FEF2575, FET, FEV1%, FEV6%, FEV6/FVC, FEF25, FEF50, Vext, FIVC, FIV1, FIV1%, PIF, FEV3, FEV3%, PEF Time, FEV05, FEV05%, FEV075, FEV075%, FEV2, FEV2%, FEF7585, FIF25, FIF50, FIF75, EVC, IVC, IC, SET, SIT.

Memory capacity

the application on the smart phone memorizes data

Certificates & Registrations

CE 0476	MDR 2017/745
FDA 510(k)	K230501
Health Canada	71191 (class II)
EMDN liv.4	Z121501
CND code	Z12150102
GMDN code	46906

Applicable standards

IEC 60601-1:2005 + A1:2012 + A2:2020
IEC 60601-1-2:2014 + A1:2020
EN ISO 14971:2019
ISO 10993-1:2018
2011/65/UE Directive
EN ISO 15223-1:2021
IEC 60601-1-6:2010 + A1:2013 + A2:2020
IEC 60601-1-11:2015 + A1:2020
ATS/ERS Guidelines (2019 update)
ISO 26782:2009
ISO 23747:2015