



Technical specification

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

Turbine



Reusable turbine
(code 910002)



Disposable turbine
(code 910004)

Supply voltage 5 V d.c. USB connection

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 and Transportation conditions

Temperature: MIN -40 °C
MAX +70 °C
Humidity: MIN 10% RH;
MAX 95%RH

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

Memory capacity database PC software
PC software MIR Spiro

Spirometry

Flow sensor	bi-directional digital turbine
Volume range	10 L
Flow range	±16L/s
Volume accuracy (ATS 2019)	±2.5% or 50 mL
Flow accuracy	±5% or 200 mL/s
Dynamic resistance	< 0.5 cm H ₂ O/L/s
Temperature sensor	semiconductor (0-45°C)
Test available	FVC, VC, IVC, MVV, PRE-POST
Measured parameters	FVC, FEV1, FEV1/FVC%, FEV3, FEV3/FVC%, FEV6, FEV1/FEV6%, PEF, TPEF, FEF25, FEF50, FEF75, FEF2575, FEF7585, FET, FEV05, FEV05%, FEV075, FEV075%, FEV2, FEV2%, ELA, BEV, FIVC, FIV1, PIF, FIV1/FIVC%, PIF, IRV, VC, IVC, EVC, IC, EI, RFEV, ERV, FIVC, FIV1/FIVC, FEV1/VC%, FIF25, FIF50, FIF75, R50, VT, VE, RR, t _i , t _E , t _i /t _{TOT} , VT/t _i , MVV, MVV cal, MV

Certificates & Registrations

CE 0476	MDR 2017/745
FDA 510 (k)	K 122384
Health Canada	71191 (class II)
EMDN liv.4	Z121501
CND code	Z12150102
GMDN code	13680
Ministry of Health	2629712 /R (911006) 2621401 /R (911006T)
Applicable standards	IEC 60601-1:2005 + A1:2012 + A2:2020 IEC 60601-1-2:2014 + A1:2020 IEC 60601-1-6:2010 + A1:2013 + A2:2020 IEC 60601-1-9:2007 + A1:2013 IEC 62304:2006 + A1:2015 IEC 62366-1:2015 + A1:2020 ISO 15223-1:2021 ISO 14971:2019 ISO 10993-1:2018 EN ISO 10993-5:2009 ISO 10993-10:2021 ISO 10993-23:2021 ISO 20417:2021 ISO 2248:1985 ATS/ERS 2005, 2019 update ISO 23747:2015 EN ISO 26782:2009