MIR MEDICAL INTERNATIONAL RESEARCH

MIR MiniSpir Light POST BD datasheet
code 911003 (Post BD)

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
Keyboard	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/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

PC software	MIR Spiro

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	MDR 2017/745
FDA 510 (k)	K 122384
Health Canada	71191 (class II)
EMDN liv.4	Z121501
CND code	Z12150102 (spiro)
GMDN code	46906 (spiro)
Ministry of Health	2494657/R (911003)

Applied 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