

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
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PC software	winspiroLight
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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 H ₂ O/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)

ITALY

MIR Head Office
Via del Maggolino, 125
00155 Roma
Tel. +39 06 22 754 777
Fax +39 06 22 754 785
Mir.spirometry.com

USA

MIR USA, Inc.
5462 S. Westridge Drive
New Berlin, WI 53151
Phone +1 (262) 565-6797
Fax +1 (262) 364-2030

FRANCE

MIR Local Office
Jardin des Entreprises,
290, Chemin de Saint Dionisy
30980 LANGLADE (France)
Phone +33 (0)4 66 37 20 68
Fax +33 (0)4 84 25 14 32