



Technical specification

Width	55 mm
Length	160 mm
Thickness	25 mm
Weight	140 g (battery pack included)

Turbine



Reusable turbine (code 910002)



Disposable turbine (code 910004)

Power supply	Rechargeable Lithium-Ion 3.7V, 1100 mAh battery
Current capacity	1100 mAh
Consumption	~20-30 mA (during test)
Backup battery voltage	none
Batteries charger	voltage=5 V DC, current=minimum 500 mA, input current= 100VAC - 240 VAC Connector : micro USB type B compliant with EN 60601-1
autonomy	50 hours
Connectivity	USB 2.0
Display	LCD monochrome, 160 × 80 pixel
Keyboard	membrane keyboard with 6 keys
Mouthpieces	Ø 30 mm (1.18 inch)
Type of electrical protection	Internally powered
Safety level for shock hazard	Type BF Apparatus
IP protection level	IPX1

Conditions of use	Apparatus for continuous use
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Storage and transport 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

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, IVC, POST

MIR Spirobank II BASIC datasheet code 911021x (spirometer)

Measured parameters	FVC, VC, IVC, IC, ERV, FEV1, FEV1%, PEF, FEF 25-75, FET, EVOL, ELA
Memory capacity	Up to 10000 tests

Certificates & Registrations

CE 0476	MDR 2017/745
FDA 510 (k)	K 061712
Health Canada	71191 (class II)
EMDN liv.4	Z121501
CND code	Z12150102 (spiro)
GMDN code	46906 (spiro)
Ministry of Health	2629723/R (911021) 2621360/R (911021T)

Applied norms	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
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