MEDICAL INTERNATIONAL RESEARCH

MIR spirobank II BASIC datasheet
code 911021 (spirometer)

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
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
Conditions of use	Apparatus for continuous use
Conditions of storage	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	Electrical Safety Standard EN 60601-1 Electro Magnetic Compatibility EN 60601-1-2

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, IVC, POST
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	MED 9826
FDA 510 (k)	K 061712
Health Canada	71191 (class II)
CND code	Z12150102 (spiro)
GMDN code	46906 (spiro)
Ministry of Health	1271099/R (spirometer)