

TECHNICAL datasheet

PRODUCT CODE 911105P51

Technical specification

Width	49 mm
Length	109 mm
Thickness	21 mm
Weight	60.7 g (batteries included)

Turbine



Reusable Turbine with plastic Mouthpiece (code 910013)



Disposable Turbine (code 911105P51)

Power supply	2 batteries AAA 1.5 V
Consumption	max 12 mA Stand by 8 µA medium
Backup battery voltage	none
Batteries charger	none
Autonomy	5-10 years (Stand by)
Connectivity	Bluetooth® 4.0 for S/N < Z099220

Bluetooth® 5 ready
for S/N > Z099220

Mouthpieces	Ø 30 mm (1.18 inch)
Type of electrical protection	Internally powered
Safety level for shock hazard	Type BF Apparatus
IP protection level	IP22
Conditions of use	Apparatus for continuous use

Storage conditions	Temperature: MIN -25 °C, MAX +70 °C
	Humidity: MIN 10% RH; MAX 93%RH

Operating Conditions	Temperature: MIN +5 °C, MAX +40 °C
	Humidity: MIN 10% RH, MAX 93%RH

Shipping conditions	Temperature: MIN -25 °C, MAX + 70 °C
	Humidity: MIN 10% RH; MAX 93%RH

Applicable standards	IEC 60601-1:2005+Amd1:2012 EN 60601-1-2: 2015 EN ISO 14971: 2019 ISO 10993-1: 2018 2011/65/UE Directive EN ISO 15223:2016 IEC 60601-1-6:2010+Amd2013 IEC 60601-1-11: 2015 ATS/ERS Guidelines ISO 26782: 2009 ISO 23747: 2015
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Spirometry

Flow sensor	bi-directional digital turbine
Flow range	±16L/s
Volume accuracy	±2.5% or 0,05 L
Flow accuracy	±5.0% or 0,20 L/s
Dynamic resistance	<0.5 cm H2O/L/s
Temperature sensor	none
Test available	FVC,
Measured parameters	FEV1, PEF, FVC, FEV1/FVC ratio, FEV6, FEF2575

Additional parameters available with F/V version	FIVC, FIV1, PIF FEF25, FEF50, FEF75, Evol, FEV05, FEV075, FEV2, FEV3, FET, PEF Time
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Memory capacity	the application on the smart phone memorizes data
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Certificates & Registrations

CE 0476	MED 9826 by Kiwa-Cermet
FDA 510(k)	K072979
CND code	Z12150102
GMDN code	46906

ITALY

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