



Spirobank[®] Smart

Spirometry for all
on your smartphone



Spirobank® Smart

Ultra portable, Real Time test
via Bluetooth® (BLE) connection



Unparalleled Accuracy
Unmatched Quality!



Available with:

FlowMIR® Disposable Turbine Flowmeter

- No Cross-Contamination
- No calibration required

or

Single Patient Reusable Turbine

with plastic mouthpiece for home care

MIR International Patent

Standard dispensers: 60 pcs/10 pcs

Spirobank® Smart - Code 911105

Technical Specifications

- **Dimensions:** 49x109x21 mm (1,93x4,29x0,82 Inch)
- **Weight:** 60.7 g (Oz. 2.14) (batteries included)
- **Flowsensors available:**
Orange Single Patient Reusable Turbine: (code 910008)
With Reusable mouthpiece (code 910307)
or Disposable Turbine FlowMIR (code 910004)
- **Power supply:** 2 batteries AAA 1.5 V
- **Consumption:** max 12 mA - Stand by 8 µA medium
- **Connectivity:** Bluetooth® LowEnergy (BLE) 4.0
- **Mouthpieces:** Ø 30 mm (1.18 inch)
- **Applied norms:**
 Electrical Safety Standard / EN 60601-1 / Electro Magnetic Compatibility / EN 60601-1-2 / IOS 26782: 2009 /ISO 23747: 2015
 ISO 26782 Std (for spirometry parameters)
 ISO 23747 Std (only for the Peak Flow parameter)
 ATS/ERS 2005 standards

Spirometry

- **Flow sensor:** bi-directional digital turbine
- **Flow range:** ±16L/s
- **Volume accuracy:** ±3% or 50 mL
- **Flow accuracy:** ±5% or 200 mL/s
- **Dynamic resistance:** <0.5 cm H₂O/L/s
- **Measured parameters:** FEV1, PEF, FVC, FEV1/FVC ratio, FEV6, FEF2575
- **Memory capacity:** the app memorizes data on the phone

Certificates & Registrations

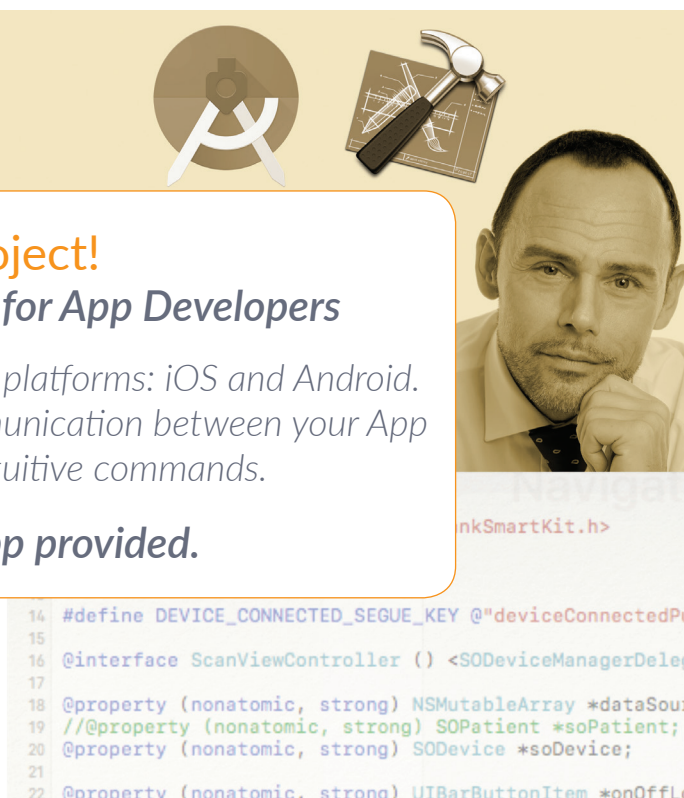
- **CE 0476:** MED 9826 by Kiwa-Cermet
- **FDA 510(k):** K072979

Open Source Project!

Software Development Kit (SDK) for App Developers

Implemented for the most important mobile platforms: iOS and Android.
 The SDK handles the Smart Bluetooth communication between your App and the device with simple and intuitive commands.

Source code of sample app provided.



ITALIA - MIR Head Office
 via del Maggolino, 125
 00155 - Roma Italy

USA - MIR USA, Inc.
 5462 S. Westridge Drive
 New Berlin, WI 53151

FRANCE - MIR Local Office
 Jardin des Entreprises,
 290, Chemin de Saint Dionisy
 30980 LANGLADE (France)

T. +39 06 22 754 777
F. +39 06 22 754 785
mir@spirometry.com

P. +1 (262) 565 - 6797
F. +1 (262) 364 - 2030
mirusa@spirometry.com

P. +33 (0)4 66 37 20 68
F. +33 (0)4 84 25 14 32
mirfrance@spirometry.com