



Spirobank[®] Smart

Spirometry for all
on your smartphone

 **MIR**
MEDICAL INTERNATIONAL RESEARCH

www.spirometry.com
www.MirSmartOne.com

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

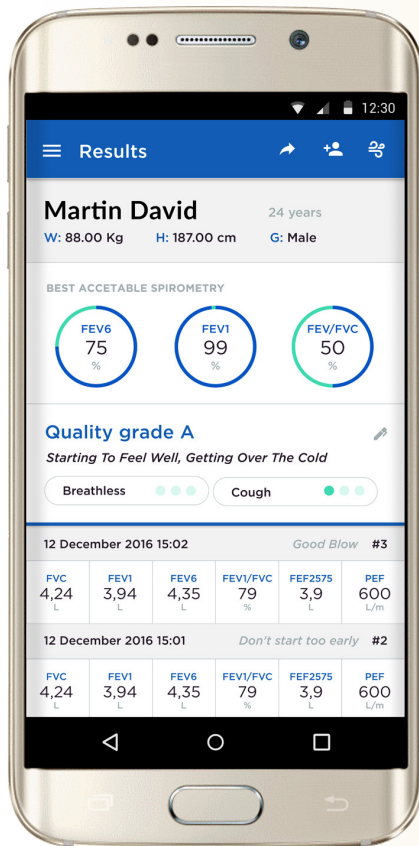
Single Patient Reusable Turbine

with plastic mouthpiece for home care

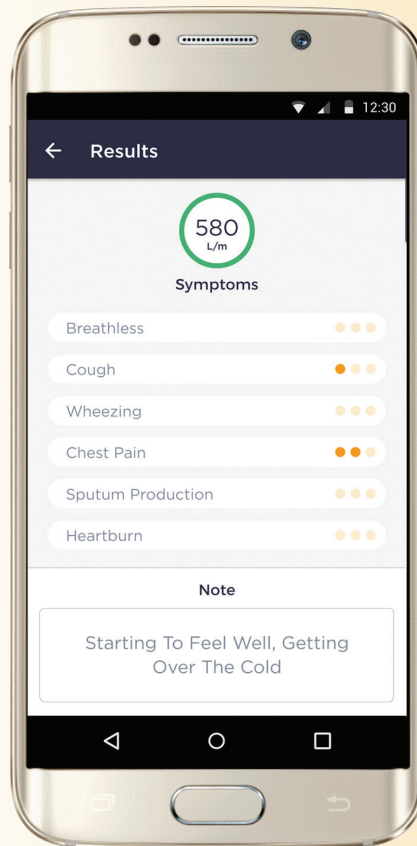
MIR International Patent

Standard dispensers: 60 pcs/10 pcs

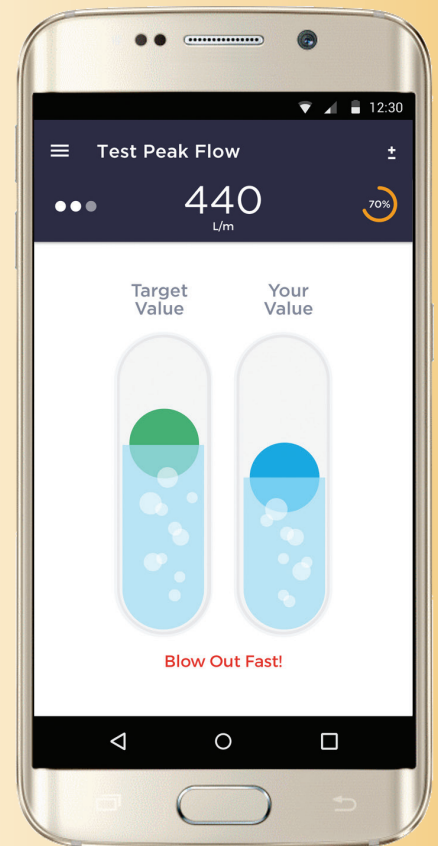
Pocket-sized spirometer suitable from 3 to 93 years!



On-screen Results
PEF, FVC, FEV1, FEV1/FVC ratio, FEF25/75, FEV6



Score Symptoms
and Add Notes to each session



Patient Incentive
to improve compliance during test



iSpirometry



Apps Available for iOS and Android



Switch to the Best!

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 and Sample App provided.



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```

14 #define DEVICE_CONNECTED_SEGUE_KEY @"deviceConnectedPu
15
16 @interface ScanViewController () <SODeviceManagerDeleg
17
18 @property (nonatomic, strong) NSMutableArray *dataSour
19 //@property (nonatomic, strong) SOPatient *soPatient;
20 @property (nonatomic, strong) SODevice *soDevice;
21
22 @property (nonatomic, strong) UIBarButtonItem *onOffLo
  
```