

# SMART PERSONAL SPIROMETER



## Self-tracking and managing pulmonary health in a smarter way

The CMI Smart Spirometer is a portable pulmonary function monitor for clinics, nursing facilities and homes for daily test. It's especially suitable for COPD and Asthma patients to do daily measurements and disease managing. Combined with wireless technologies (Bluetooth & GSM), mobile App and cloud platform, it helps patients to track their pulmonary health with ease and to prevent exacerbations.

### Diagnosing Obstructive Sleep Apnea (OSA) and COPD



#### Sleep Apnea, COPD

- Increased breathlessness
- Frequent coughing (with and without sputum)
- Wheezing.
- Tightness in the chest

A low-cost personal spirometer empowers you to test key pulmonary functions to determine if you are suffering from temporary issues such as bronchitis or should seek the help of a specialist for COPD screening.

### Managing Chronic Obstructive Pulmonary Disease (COPD)



#### Evaluating CPAP Therapy

- PEF and PEF% predicted
  - FEV1 and FEV1% predicted
  - FVC and FVC% predicted
- Is crucial to fine tuning proper treatment strategies and attaining optimal outcomes

### Monitoring Asthma Maintenance



#### Managing Asthma

- Use of a personal spirometer is critical in assessing the severity of asthma
- Monitoring a patient's response to therapy
- Serving as a tool to help one determine if they need immediate care or consultation with a physician



**CMI Health Inc.**

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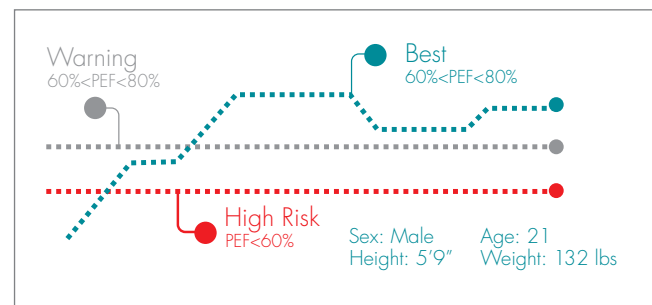
Quick, simple and reliable pulmonary function tester built for convenience.

Accurately measures PEF, FEV1, FVC and FEV1/FVC.



## Features

- Great for self-monitoring, tracking and managing COPD and Asthma
- Measures PEF, PEF% predicted, FEV1, FEV1% predicted, FVC and FEV1/FVC
- Simple to use and easy to read (results shown in colored scale)
- Bluetooth or GSM model
- Cloud based mobile App
- Predicted warning based on data trend
- Comprehensive weekly report
- User community forum



## Technical Specifications

- Battery ..... 3.7V-300mAh Rechargeable Li-Po
- Operational Current..... 100mA
- Charging Method..... USB Charging
- Battery life with 1 full charge ..... 6 days (3 uses per day)
- Battery life when IDLE ..... 30 days
- Display..... 1.44" TFT LCD display
- Spirometer Measurements 3.7V
  1. PEF(Peak Expiratory Flow)  
Range 66-999 L/min, with 1 L/min interval;
  2. FEV1(Forced Expiratory Volume in first second)  
Range 0.01-9.99 L, with 0.01 L interval;
  3. FVC(Forced Vital Capacity)  
Range 0.01-9.99 L, with 0.01 L interval.



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