

SP80B SPIROMETER



liquid crystal
display



The expiratory
time



Respiratory
waveform



Small and light



The data transfer



Bulk storage

The SPIROMETER is a hand-held equipment for checking lung conditions, adopts the infrared signal acquisition mode for measuring items related to FVC, and it is applicable for hospital, clinic, family for routine test.

Functions

- ◆ Forced Vital Capacity (FVC), forced expiratory volume in one second (FEV1) to forced vital capacity (FVC) ratio (FEV1/FVC), peak expiratory flow (PEF), forced expiratory flow at 25 % of FVC (FEF25), forced expiratory flow at 50 % of FVC (FEF50), forced expiratory flow at 75 % of FVC (FEF75) and forced expiratory flow from 25 %~ 75 % of FVC (FEF2575) can be measured;
- ◆ The personnel information (including height, age, sex, etc.) can be set.
- ◆ Flow-volume chart, volume-time chart display.
- ◆ The data can be stored, deleted, uploaded and reviewed.
- ◆ Trend chart display.
- ◆ Health state indication.
- ◆ Calibration function.
- ◆ Over-limit prompt function for volume and flow.
- ◆ Indicate expiration within 6 seconds by indicators.
- ◆ Start measuring by one-button.
- ◆ The data can be transmitted by Bluetooth or USB cable.
- ◆ Real-time clock can be set and displayed.
- ◆ Battery power indication.
- ◆ Automatic shutdown when there is no operation within two minutes.

Performance

- ◆ Display mode: 2.8" LCD
- ◆ Volume range: 0 ~ 10 L
- ◆ Volume accuracy: $\pm 3\%$ or ± 0.05 L (whichever is greater)
- ◆ Flow range: 0 L/s ~ 16 L/s
- ◆ Flow accuracy: $\pm 5\%$ or ± 0.2 L/s (whichever is greater)
- ◆ Working current: 200 mA
- ◆ Power supply: rechargeable lithium battery
- ◆ Safety class: internally powered equipment, type BF applied part

Accessories

- ◆ One User Manual
- ◆ One USB cable
- ◆ One mouthpiece (disposable accessory)
- ◆ One nose clip (optional)
- ◆ One power adapter (optional)
- ◆ One PC software

Physical characteristic

- ◆ Dimension: 160 mm (L) × 65 mm (W) × 45 mm (H)
- ◆ Weight: 190 g