

SP100

SPIROMETER



Automatic lung
age assessment



Self-correcting
function



Respiratory
waveform



Store the data



Touch screen
operation



Thermal printer

SP100 Spirometer is a portable lung function testing device, which mainly used to examine lung function related parameters for patients. It can be applied to various environments such as in hospitals, clinics, etc. And it is also suitable for communities, schools, factories and other places to conduct epidemiological investigation, health examination, occupational disease screenings.

Features

- ◆ Measurement of Forced Vital Capacity (FVC), Vital Capacity (VC/SVC), maximum voluntary ventilation (MVV) and relevant functions, more than 50 parameters can be measured and displayed; for several times of measurement, the optimal result will be displayed; the condition of subject can be shown by the ratio of the measured value and the predicted value.
- ◆ Measurement parameters:
Forced Vital Capacity (FVC): FVC, FEV1, PEF, (FEV1/FVC), FEF25, FEF50, FEF75, FEF2575, FEV6, FEV1/FEV6, ELA, FET, EVOL, FIVC, FIV1, FIV1/FIVC, PIF, MVV, etc.
Vital Capacity (VC/SVC): VC, IC, ERV, IRV, EVC, IVC, TV, VE, RR, TI, TE, TV/TI, TI/ttot
Maximum Ventilatory Volume (MVV): MVV
- ◆ Real-time display respiration waveform: Flow-Volume loop and Volume-Time curve chart;
- ◆ 7" color LCD touch screen, buttons can be operated along with touch screen;
- ◆ Incentive animation operation guide, easy for the use between children and the old;
- ◆ Built-in thermal printer, reports can be printed directly;
- ◆ BTPS automatic correction function, compensate for the impact of environmental differences;
- ◆ Test time and environment temperature display;
- ◆ Calibration function, ensure measurement accuracy;
- ◆ Multiple predicted value can be selected, suitable for different population;
- ◆ Storage of more than 10,000 groups of data;
- ◆ Lung age estimation function;
- ◆ Built-in lithium battery, supports both of AC and DC.

Performance

- ◆ Volume range :0~ 10 L(FVC)
- ◆ Volume accuracy: $\pm 3\%$ or ± 0.05 L (whichever is greater)
- ◆ Flow Range: 0~ 16 L/s
- ◆ Flow accuracy: $\pm 5\%$ or ± 0.2 L/s (whichever is greater)
- ◆ Power supply: 100 V-240 V~ 50 Hz/60 Hz
- ◆ Input power: 60 VA
- ◆ Safety type: Class I equipment, type BF applied part
- ◆ LCD screen: 7" color TFT touch screen
- ◆ Printing paper: 112 mm(W) \times 20 m(L) high-speed thermal paper

Accessories

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|---|---|
| ◆ Spirometer 1pc | ◆ Mouthpiece 4pcs(disposable accessory) |
| ◆ nose clip 1pc | ◆ Recording paper 1pc |
| ◆ Power cord 1pc | ◆ User Manual 1pc |
| ◆ breathing filter (disposable accessory) | |

Physical characteristic

- ◆ Dimension: 315 mm(L) \times 215 mm(W) \times 92 mm(H)
- ◆ Weight: 1.8 kg