

CONTEC™



SP100 SPIROMETER



Contec Medical Systems Co.,Ltd.

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SP100

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 30 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%, FEF25, FEF50, FEF75, FEF2575, FEV1/VC, FEV6, FEV1/FEV6, ELA, FET, EVOL, FIVC, FIV1, FIV1/FIVC, PIF, MVV
Vital Capacity (VC/SVC): VC, IC, ERV, IRV, EVC, IVC, TV, VE, RR, fI, fE, TV/fI, fI/fIot
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 : ± 10 L
- ◆ Volume accuracy: $\pm 3\%$ or ± 0.05 L (whichever is greater)
- ◆ Flow Range: ± 16 L/s
- ◆ Flow accuracy: $\pm 5\%$ or ± 0.2 L/s (whichever is greater)
- ◆ Power supply: 100 V-240 V~ 50/60 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

- ◆ Spirometer 1pc
- ◆ Mouthpiece 4pcs
- ◆ nose clip 1pc
- ◆ USB cable 1pc
- ◆ Recording paper 1pc
- ◆ Power cord 1pc
- ◆ User Manual 1pc

Physical characteristic

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

