

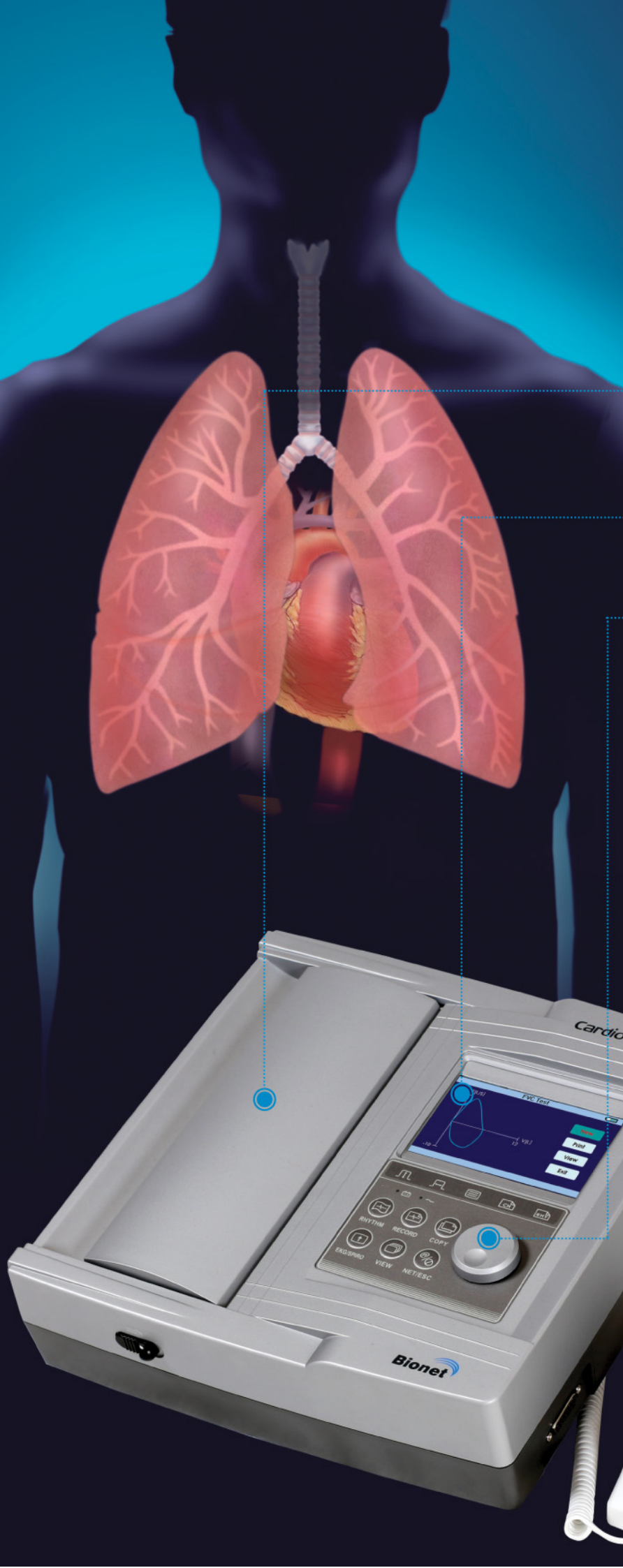
# Spirometer

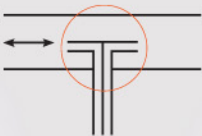
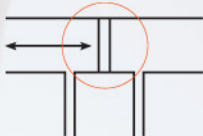



**Infection-free Spirometer**  
**Accurate and Hygienic Spirometer**

## SPM 300

- \* Convenient A4 size print-outs allow for easy chart filing
- \* Grid function allows you to use low cost plain fax paper
- \* Wide and Clear Color TFT LCD
- \* Touch screen for easy operation
- \* PRE-POST bronchodilator Comparison
- \* Rotary Key Access to All Menus
- \* No Cleaning  
Using disposable mouthpiece patented sensing method
- Breathing Protocol
  - FVC (Forced Vital Capacity)
  - SVC (Slow Vital Capacity)
  - MVV (Maximum Voluntary Ventilation)
- Various Formulas  
Morris-Polgar, ECCS-Quanjer, Kundson-ITS
- PC compatible through LAN
- Multi-language(English,Russian,French, German,Italian,Chinese,Spanish,Turkish)available



	Bernoulli's Law	Pneumotachometer	Turbine
structure			
medium	SmarTube™	screen	Propeller or turbine
accuracy	error ratio < 1% (equal air density)	error ratio < 5% (air friction)	error ratio <20% (inertia problem)
	User-friendly Infection-free	High probability of infection because of remain saliva or bacteria.	High probability of infection because of remain saliva or bacteria and low accuracy.

## SPECIFICATIONS

<b>Dimension</b>	47(W) × 200(H) × 34(D)mm, approx.250g
<b>Measuring Values</b>	FVC : FVC, FEV 1.0, FEV 1/FVC, FEF 0.2-1.2L, FEF 25-75%, FEF 75-85%, PEF, FEF 25%, FEF 50%, FEF 75%, FIVC, FIF 50%, PIF, FET 100% SVC : SVC, ERV, IRV, TV, EC, IC MVV : MVV, FB, TV
<b>Presentation</b>	Flow volume loop Flow time plot Measurement values table
<b>Measuring range</b>	Flow : 0 to ±14 L/s Volume : 0 to ±11L
<b>Measuring method</b>	Differential pressure method
<b>Prediction equation</b>	Morris-Polgar, ECCS-Quanjer, Knudson-ITS
<b>Sample rate</b>	200 samples/sec
<b>Flow impedance</b>	<0.2 mbar s/l at 12 l/s
<b>Measuring accuracy</b>	Complies with ATS (American Thoracic Society)
<b>Environment</b>	Ambient temperature : 15 to 40°C (59 to 104° F) Relative humidity : 10 to 90%(non-condensing) Atmospheric pressure : 700 to 1060hPa
<b>Standard accessory</b>	Disposable mouthpiece 2 EA Nose clip 1 EA Adapter 2 EA Operation manual 1 EA Disposable mouthpiece 1 box(100 EA)

\*Specifications can be changed without prior notification.

**Bionet**

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