

# Spirometer



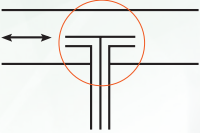
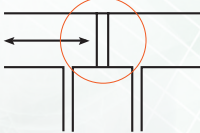

Accurate and Hygienic Spirometer

## SpiroCare

- \* 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- and Post-bronchodilator comparison
- \* Rotary key access to all menus
- \* Disposable mouthpiece with patented sensing method eliminates the hassle of cleaning

- Breathing protocol
  - FVC (Forced Vital Capacity)
  - SVC (Slow Vital Capacity)
  - MVV (Maximum Voluntary Ventilation)
- Various formulas
  - Morris-Polgar, ECCS-Quanjer, Kundson-ITS
- Memory for up to 200 tests
- USB barcode scanner & USB memory storage
- PC compatible through LAN and WiFi
- Multi-language (English, Russian, French, German, Italian, Chinese, Spanish, Turkish, Polish, Romanian, Portuguese) available



|                  | Bernoulli's Law   | Pneumotachometer  | Turbine   |
|------------------|---|---|---|
| <b>Structure</b> |  |  |            |
| <b>Medium</b>    | SmarTube™   | Screen  | Propeller or turbine  |
| <b>Accuracy</b>  | Error ratio < 1%<br>(equal air density)   | Error ratio < 5%<br>(air friction)  | Error ratio < 20%<br>(inertia problem)  |
|                  | No air friction<br>No cleaning<br>or<br>sterilization                             | High probability of<br>infection because of<br>remain saliva or<br>bacteria.      | High probability of<br>infection because of<br>remain saliva or bacteria<br>and low accuracy. |

## SPECIFICATIONS

|                            |   |
|----------------------------|---|
| <b>Dimension</b>           | 296 (W) x 305.5 (H) x 34 (D) mm, approx. 250kg  |
| <b>Measuring Values</b>    | FVC: FVC, FEV 1.0, FEV 1/FVC, FEF 0.2-1.2L, FEF 25-75%, FEF 75-85%,<br>PEF, FEF 25%, FEF 50%, FEF 75%, FIVC, FEV6, PEFT, FET100%<br>Extrapolated Volume<br>SVC: SVC, ERV, IRV, TV, EC<br>MVV: MVV, FB, TV |
| <b>Presentation</b>        | Flow volume loop<br>Flow time plot<br>Measurement values table  |
| <b>Measuring range</b>     | Flow: 0 to ± 14 L/s<br>Volume: 0 to ± 12 L  |
| <b>Measuring method</b>    | Differential pressure method  |
| <b>Prediction equation</b> | Morris-Polgar, ECCS-Quanjer, Knudson-ITS, Pereira, Korea CJK  |
| <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)<br>Relative humidity: 10 to 90% (non-condensing)<br>Atmospheric pressure: 700 to 1060 hPa  |
| <b>Standard accessory</b>  | Disposable mouthpiece 20 ea.<br>Nose clip 1 ea.<br>Adapter 1ea.<br>Handle dock 1 ea.<br>Operation manual 1 ea.<br>Diagnosis guide 1 ea.<br>Power cord 1 ea.   |

\*Specifications can be changed without prior notification.

### South Korea: Bionet Co., Ltd.

Tel: +82-70-7585-6418 (Int'l)/+82-2-6300-6483 (Domestic)  
E-mail: sales@ebionet.com (Int'l)/ajy@ebionet.com (Domestic)  
www.ebionet.com

### North America (U.S.A): Bionet America, Inc.

Tel: +1-877-924-6638 or +1-714-734-1760  
E-mail: sales@BionetUS.com  
www.BionetUS.com

### China: Bionet China, Inc. (中国 佰奈特)

Tel: +86-70-4838-1301  
E-mail: sales-cn@ebionet.com  
www.ebionet.com

### Latin America: Bionet Latin America, Inc.

Tel: +1-949-800-9585  
E-mail: bla@ebionet.com  
www.bionetesp.com

### Europe: MGB Endoskopische Geräte GmbH Berlin (Germany)

Tel: +49-30-6392-7000  
E-mail: sales@mgb-berlin.de  
www.mgb-berlin.de

