

# Renaissance® II

## Spirometry System

### Specifications

#### PB700 Spirometer

Dimensions: 5.75" H x 7.5" W x 2.25" D

Weight: 18 oz

#### Accuracy

Validated to comply with American Thoracic Society Standards for Spirometry, 1994 update.

Volume: 3% of reading or  $\pm 50$  ml, whichever is greater; FEV1 measured by back extrapolation method

Flow: For FEF 25-75,  $\pm 5\%$  of reading or  $\pm 200$  ml/sec, whichever is greater; for PEF,  $\pm 10\%$  of reading or  $\pm 400$  ml/sec whichever is greater

MVV:  $\pm 5\%$  of reading

#### Range

Volume Range: 0-12 liters BTPS

Flow Range: -12 to +16 L/sec

Resistance: Less than 1.5 cm H<sub>2</sub>O/L/sec

Test Time: FVC/FVL - 30 seconds; MVV-15 seconds

Display: 1/4 VGA, 320 x 240, back light with real time graphics

**Parameter Measured:** FVC, FEV1, FEV1%, FEV3, FEV6, FEF25-75, FEF25, FEF50, FEF75, PEF, FET, FIVC, PIF, FEF50/FIF50, MVV, RR

Test Quality Criteria: Enright PL, Johnson LR, Connett JE, Voelker HT, Buist AS: Spirometry in the Lung Health Study; Methods and Quality Control, *American Review of Respiratory Disease*, June 1991

Battery: Custom rechargeable NiCad battery pack or AA batteries

Power Source: AC adapter/charger, 120 VAC 60 Hz

Predicted Normal Values: Adult- Morris; Knudson, 1976 and 1983; Crapo, NHANES III; Pediatric - Polgar, Hsu, Dockery, NHANES III

Interpretation Criteria: American Thoracic Society. Lung Function Testing: Selection of Reference Values and Interpretive strategies. American Review of Respiratory Disease, 1991. 144: 1202-1218

#### PB710 Base Station

Dimensions: 6.5" H x 4.75" W x 2.5" D

Weight: 8 oz

Function: Provides docking for the PB700 spirometer to charge the custom NiCad battery pack and interfaces with most parallel printers to produce a data and graphic report

Printout Size: 8.5" x 11" or A4

Graph Size: Selectable - diagnostic size or hand-validation size

Graph Options: Flow-volume and/or volume-time format

Interface: Centronics-compatible parallel port for printer, RS232C-compatible serial port for computer interface (requires special cable)

Power Source: Uses AC adapter supplied with PB700 spirometer

#### VS300 Calibration Syringe

Capacity: 3 liters



**CAUTION:** Federal (U.S.A.) law restricts this device to sale by or on the order of a physician.

**WARRANTY:** Five-year exchange program, PB700 spirometer and PB710 base station. One year warranty, VS300 calibration syringe.

Specifications subject to change without notice.

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# Renaissance® II

## Spirometry System

# The Latest Advancement In Portable Spirometry

### Order Information

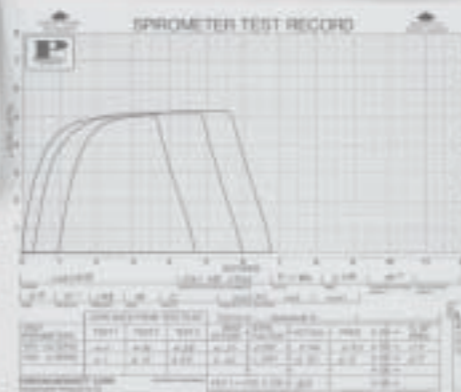
- P-000700-00 PB700 Spirometer, 10 FSII Flow Sensors
- P-000710-00 PB710 Base Station
- P-000715-00 Starter Kit: Spirometer, Base, 10 Flow Sensors, AC Adapter, Syringe Adapter
- P-000720-00 Kit w/Printer: Spirometer, Base, 10 Flow Sensors, Printer, AC Adapter, Syringe Adapter, 2 Nose Clips
- P-000725-00 Kit w/Syringe: Spirometer, Base, 10 Flow Sensors, Calibration Syringe, AC Adapter, Syringe Adapter, 2 Nose Clips
- P-000730-00 Complete Kit: Spirometer, Base, 10 Flow Sensors, Printer, Calibration Syringe, AC Adapter, Syringe Adapter, 2 Nose Clips

### Flow Sensors

- P-000263-00 FSII Flow Sensors (50/pkg)
- P-000265-00 FSII Flow Sensors (250/pkg)

### Accessories

- P-000300-00 3 Liter Calibration Syringe
- P-010701-00 Syringe Adapter
- P-000150-00 Parallel Printer
- P-062596-00 Parallel Printer Cable
- P-006548-00 Nose Clips
- P-495219-00 Battery Pack
- P-495208-00 AC Adapter
- P-025513-00 Pressure Tube
- P-062033-00 Custom Serial Cable



**PURITAN  
BENNETT**

# The latest advancement means easy access to sophisticated spirometry.

Portability, ease-of-use and a true real-time graphic display makes Renaissance II the very best spirometer available to diagnose respiratory disease in any setting. The Puritan Bennett brand, a pioneer of portable spirometry, continues its tradition of offering quality products that provide superior patient care.

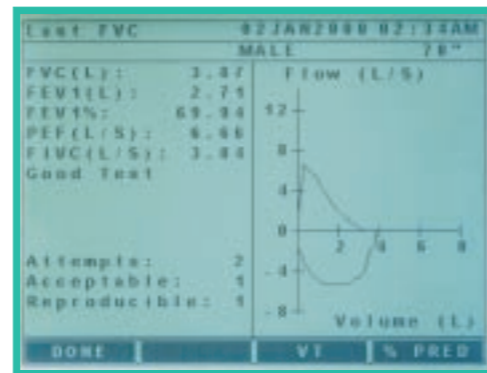
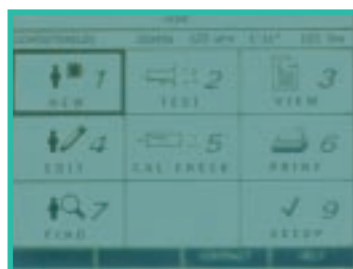


## Portability

With Renaissance II, spirometry is available anywhere it's needed: in a kit, on a cart, from room to room, or at a practice. And for added convenience, Renaissance II operates on custom rechargeable or AA batteries.

## Ease-of-Use

New quick keys for set up and testing make Renaissance II exceptionally user-friendly. Pre-programmed function keys and several options for entering data means very little training is necessary for your staff to become fully functional. Plus audio and visual effort incentive and a built-in quality assurance program make it easy to get reliable tests time and again.



## Real Time Display

Renaissance II is the first hand-held spirometer with a true real-time graphic display. View the flow volume or volume time graphic as the test is being performed to ensure a high quality test. The adjustable, backlit display makes it easy to monitor in virtually any environment.

## Any Test, Anywhere

Renaissance II can measure a wide range of parameters listed in the specifications. Testing parameters can be configured to meet unique needs and to perform spirometry anywhere it's needed.



Office/Clinic



Pediatric

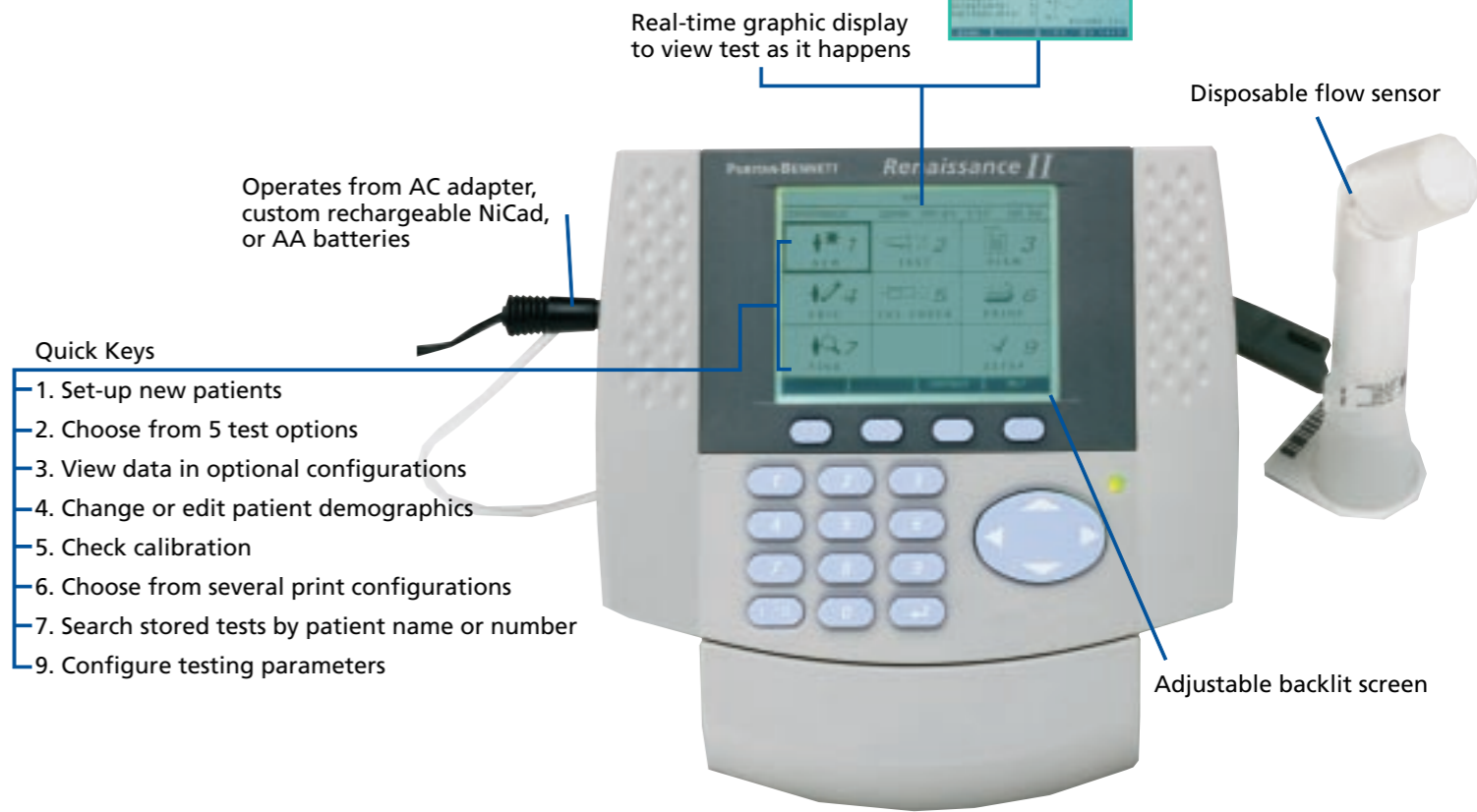


Adult



Hospital

## PURITAN BENNETT Renaissance® II Spirometry System



## Renaissance II Quick Facts

- Exchange warranty guarantees trouble-free spirometry for 5 years.
- Built-in Quality Assurance Program helps ensure valid tests.
- Meets ATS standards for accuracy and precision.
- Incorporates audio and visual effort incentive for assistance in coaching patient.
- Internally stores statistics for up to 1,000 patients.
- Prints in color for easier interpretation.

Puritan Bennett is committed to providing health care professionals with the industry's most innovative spirometry system - that's actually easy to use - and is a vital link in the management and treatment of respiratory disease. For more information on how you can purchase Renaissance II, the latest advancement in portable spirometry systems, contact your local Mallinckrodt representative at 800-635-5267 - press 2, or visit us at [www.pbspiro.com](http://www.pbspiro.com).