## 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 ±50 ml, whichever is greater; FEV1 measured by back extrapolation method.
- **Flow:** For PEF 25-75, ±15% of reading or ±200 ml/sec, whichever is greater; for PEF, ±10% of reading or ±400 ml/sec, whichever is greater.
- **MVV:** ±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%, FEF25-75, FEF25, FEF50, FEF75, FC, PEF, FIF, PEF25/FIF50, MVV, RR
- **Flow Sensors (50/pkg):** P-000263-00
- **Flow Sensors (250/pkg):** P-000265-00

### 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
- **Predicted Normal Values:** Adult - Morris, Knudson, 1976 and 1983; Crapo, NHANES III; Pediatric - Polgar, Hsu, Dockery, NHANES III
- **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, 2 Nose Clips
  - 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, Calibration Syringe, AC Adapter, Syringe Adapter, 2 Nose Clips

### Order Information
- **Flow Sensors:**
  - P-000263-00  F5 Flow Sensors (50/pkg)
  - P-000265-00  F5 Flow Sensors (250/pkg)

### Accessories
- **PC300-00 3 Liter Calibration Syringe**
- **P-012911-00 Syringe Adapter**
- **P-000150-00 Parallel Printer**
- **P-062596-00 Parallel Printer Cable**
- **P-000548-00 Nose Clips**
- **P-495219-00 Battery Pack**
- **P-495280-00 AC Adapter**
- **P-025513-00 Pressure Tube**
- **P-062033-00 Custom Serial Cable**

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

### Test Quality Criteria

### Battery
- Custom rechargeable NiCad battery pack or AA batteries
- **Power Source:** AC adapter/charger, 120 VAC 60 Hz

### Warranty
- Five-year exchange program, PB700 spirometer and PB710 base station. One year warranty, VS300 calibration syringe.
- Specifications subject to change without notice.

### Contact Information
- Tyco Healthcare UK Ltd.
  - 154 Fareham Road
  - Gosport, UK PO13 0AS
  - Tel: +44.1329.224000

### Website
- [www.pbspiro.com](http://www.pbspiro.com)

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* Puritan Bennett Renaissance® II Spirometry System
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.

**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.

**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.

**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.**

**Real Time graphic display to view test as it happens**

**Disposable flow sensor**

**Adjustable backlit screen**

**Quick Keys**
1. Set up new patients
2. Choose from 5 test options
3. View data in optional configurations
4. Change or edit patient demographics
5. Check calibration
6. Choose from several print configurations
7. Search stored tests by patient name or number
9. Configure testing parameters

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.