MedGraphics

Complete, Compact and Versatile Pulmonary Function Testing

Complete spirometry, single breath diffusing capacity, maximal inspiratory/expiratory pressures, and lung volumes via Nitrogen Washout or DLco are only a few reasons why the Ultima PF should be part of your lab. The UltimaPF also has the benefit of being expandable to include complete exercise and nutritional assessment. When combined with our BREEZESUITE™ software, the Ultima PF becomes a powerful diagnostic tool for the clinician.

All systems are backed by a team of professionals from Medical Graphics and offer the highest quality in Technical and Customer Service, Training and Applications.
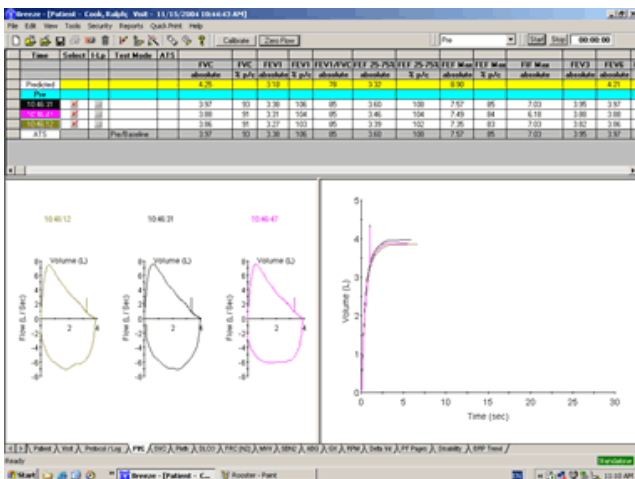

Providing fast and easy testing of all patients, from pediatrics through adult, the UltimaPF system is ideal for hospital or office based labs.

The Ultima PF utilizes the patented preVent™ pneumotach. This lightweight, accurate flow device meets or exceeds all ATS/ERS standards and helps protect against cross-contamination. Infection control is achieved in seconds with its snap-in, snap-out design which makes it easy to install and remove. The preVent can be reused either with or without a filter.

BreezeSuite Software

BREEZESUITE software comes with integrated features, enabling custom configurations and future expandability, along with an open architecture database to provide instant data access, along with robust network connectivity.
Helpful coaching features walk the user through simple steps for system calibration and patient testing.
BREEZESUITE allows you to design custom reports and configurations, using Report and Script Designer features.
Physician Review Station features full trending of all variables for enhanced patient management.
BREEZESUITE is compatible with Windows 2000™ and

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Systems & Technologies
Montpellier - France - www.datalink.fr

Specifications:

Standard Features

- Complete Spirometry
- FRC by Nitrogen Washout
- Diffusing Capacity
- Respiratory Mechanics & Pressures
- Review Station Software
- Disability Reports
- Trend Reports
- Report Designer
- User-Defined Predicteds

Options

- Pulmonary Consult Interpretation Software
- Exercise Consult Interpretation Software
- Bronchial Provocation
- Networking & Information Management
- Database Query
- ExFVL (Exercise Flow Volume Loops)

Flow Device

- Bi-directional Pitot Tube Pneumotach
- Patent Number: #5,038,773 & #5,119,825
- Range: ± 18 L/sec
- Accuracy: ± 3% or 50 ml, whichever is greater (meets or exceeds ATS/ERS clinical performance standards)
- Resolution: 8.64 ml/sec
- Deadspace: 39 ml

Gas Sample

- Patent Number 5,042,500
- Patented gas drying sample circuit
- Side stream sampling flow rate: 80-100ml./min
- Warm-up Time: 30 minutes from cold start.

Power Requirements

- 100-240V/50-60Hz

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Gas Requirements

- 100% Helium (10 - 28 psi)
- DLco mix (135 psi)
- 100% Oxygen (135 psi)
- Calibration Gas:
  o 5% CO_2, 12% O_2, Bal N_2
  o 0% CO_2, 21% O_2, Bal N_2

O2 Analysis

- Patent Number 4,995,256
- Type: Zirconia
- Range: 0 - 100%
- Response: (10-90%) <80 msec
- Accuracy: ± 0.03%

Arm Adjustments

- Vertical Extension: 43 cm (17")
- Horizontal Extension: 35.5 cm (14")
- Radius: 180º..

Size (Base)

- Height: 36 cm (14")
- Width: 33 cm (13")
- Depth: 36 cm (14")
- Weight: 12 kgs (26.5 lbs)

Size (PF Module)

- Height: 15 cm (6")
- Width: 33 cm (13")
- Depth: 30 cm (11.5")
- Weight: 9.3 kgs (20.5 lbs)