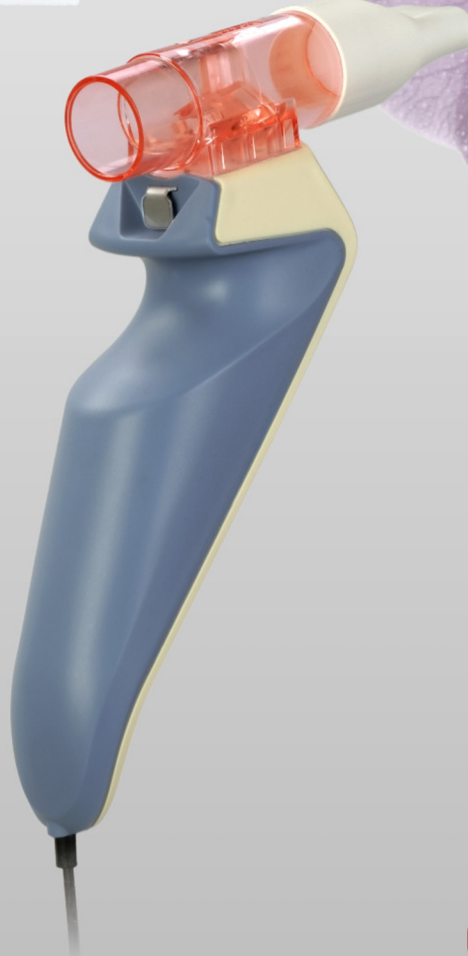


Piston

Spirometer



CALIBRY LINE

PULMONARY FUNCTION TEST

Al-Mubdaa Scientific Company / شركة المبدع العلمي

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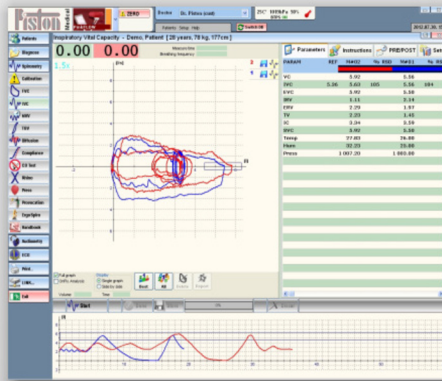
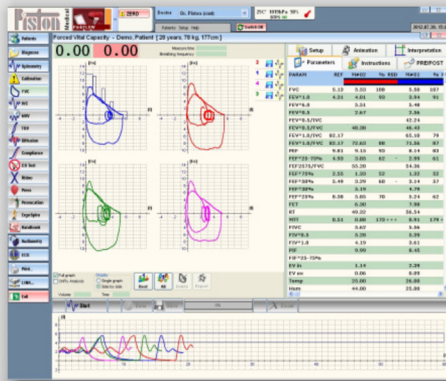
Spirometer

The spirometer is the basic device of the functional lung diagnostics. It is inevitable in detecting the early malfunction of the respiratory system:

- COPD
- Asthma
- Chronic bronchitis
- Obstructive ventilation disorder
- Emphysema

Measurement modes:

- Forced ex- and inspiration
- Static vital capacity
- Maximal voluntary ventilation

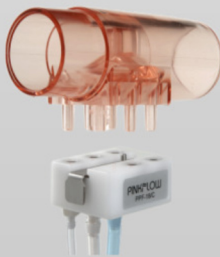


Sleek hand held design with the PinkFlow* flow meter. USB interface when connecting to a laptop PC provides full portability.

PINK FLOW[®]

The PinkFlow flow meter is the newest innovation of our company. The PinkFlow flow meter is the ideal flow meter for the most demanding pulmonary function tests.

The PinkFlow flow meter fully complies with the specifications and requirements of the Standardization of Lung Function Testing ATS/ERS Task force (European Respiratory Journal 2005)



- Hygienic single-use application
- No moving parts
- Insensitive against condensation and vapour
- Integrated gas sampling port
- Fully interchangeable flow meters
- No need for recalibration after changing
- Quick pneumatic coupling
- Fully recyclable

Type	PPF-18
Principle	Symmetric Pitot tube
Flow range	±18 l/s
Accuracy	±2% or 50 ml
Dead space	36 ml
Resistance	60 Pa·L ⁻¹ ·s ⁻¹ @ 15 l/s



System overview

The whole range of our diagnostic devices provides the following features:

General features:

- Eight identical measurements can be performed simultaneously
- Pre-Post examination
- Database management
- Trend analysis
- User definable printed report
- Multiple communication languages

Selectable and enhance able reference value algorithms:

- ECCS
- Cotton & Dust
- Crapo HSU
- Knudson
- Austrian, Finnish, Swedish

System integration into information network:

- Application of standard protocols
- HL7 (Health Level 7, USA)
- GDT (Geräte Daten Träger, Germany)