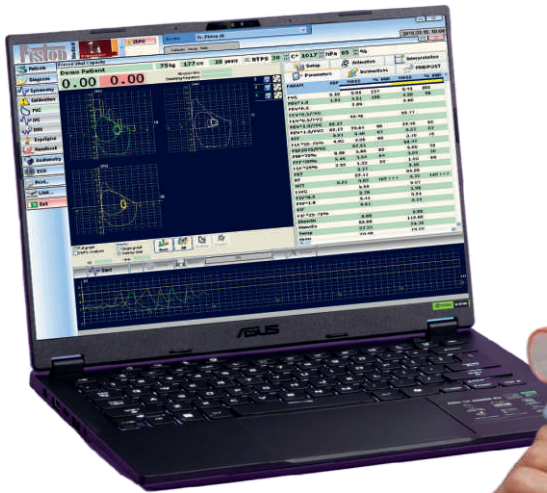


PC based Spirometer

PISTON PDD-301/sh



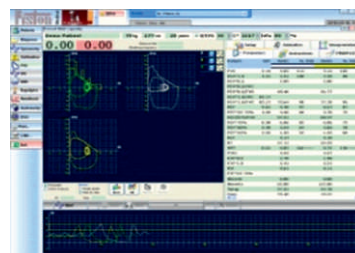
Innovative yet truly
customized PC based
spirometer with **PinkFlow***
Flow-meter technology

Features

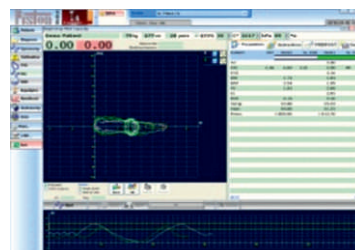
- No maintenance
- Low running cost
- FVC,SVC & MVV tests
- Pre & Post examinations
- Eight Identical measurement Can be performed simultaneously
- Large selection of predicted sets (% pred, Z-score and LLN)
- Complies ATS/ERS criteria
- HIS 7 protocol
- PinkFlow* flow-meter (No moving parts)
- No heating elements
- Insensitive against condensation and vapour
- Auto BTPS correction (optional)

PC based Spirometer

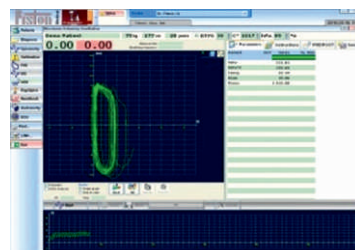
PISTON PDD-301/sh



FVC measurement



SVC measurement



MVV measurement

Technical Specifications

Flow meter	PinkFlow
Type	PPF-18
Principle	Symmetric and averaging Pitot tube
Flow range	±18 l/s
Accuracy	±2% or 50 ml, whichever is greater
Dead space	36 ml
Resistance	60 Pa/l/s @ 15 l/s
Accuracy of volume	±3 % or ±50 ml
Age range	Spirometry > 4 years

Dimensions	Height: 200 mm Wide: 45 mm Length: 120 mm
Cable Length	3 meters
Weight	250 gm
Power supply	USB
Minimum PC Requirement	Core i3-10th Generation, 4 GB RAM/256 GB SSD or 1TB HD Pre-loaded Windows
Operating Conditions	Temp 0-40 °C/32 – 104 °F Rel.Humidity 5-95 % Atmosph.Pressure 620 – 1060 hPA

Measured Parameters

- **Forced vital capacity:** FVC, FEV*0.5, FEV*1.0, FEV*0.5/IVC, FEV*0.5/FVC, FEV*1.0/IVC, FEV*1.0/FVC, PEF, FEF*25-75%, FEF*75%, FEF*50%, FEF*25%, FET, MTT, FIVC, FIV*0.5, FIV*1.0, PIF, FIF*25-75%
- **Slow vital capacity:** IVC, IRV, ERV, TV, SVC
- **Maximal Voluntary Ventilation:** MVV, MVV*f