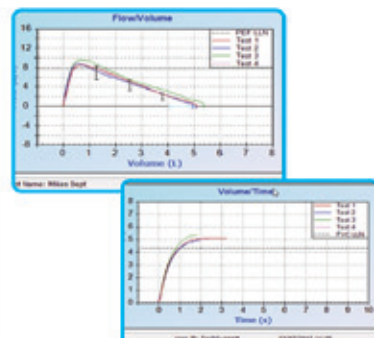




Vitalograph Pneumotrac with Spirotrac Software

Combines the power of your Windows® PC with Vitalograph measuring technology for early detection of respiratory disease and integration with your institution network.

- Accurate, robust and linear Fleisch pneumotachograph
- Intuitive user interface with workflow orientated presentation
- Automatic FEV₁ trend chart of actual and normal range data as subject is selected
- Open session, f/v and v/t curves, all test data and test quality in one view
- Automatic storage of all test data and events, including calibration log
- Built-in test quality checks
- Choice of exciting incentives
- Fully scalable database capacity using powerful Microsoft® SQL server technology
- Network ready



Vitalograph Spirotrac

Cardio-respiratory diagnostic software

- Network multiple Spirotrac® cardio-respiratory diagnostic software devices in their own network or to a central database on your existing networks
- Full spirometry suite
- 12-lead ECG Bluetooth®
- Pulse Oximetry USB
- Bronchial Challenge Testing (Methacholine and Mannitol)
- 6 Minute Walk Test and COPD Assessment
- Blood Pressure USB
- Weighing Scale Bluetooth



Technical Specification:

Pneumotrac

Product: Pneumotrac™

Model No: 6800

Size: 170mm x 163mm x 45mm

Net Size: 103mm x 185mm

Weight: Net 450g Gross 650g

Operating Temperature Range: ATS/ERS

limits: 17-37°C Design Limits: 10-40°C

Power Supply: From USB 2 port

Flow Detection Principle: Fleisch type pneumotachograph

Volume Detection: Flow integration sampling @ 100Hz

Accuracy when operated in operating

temperature range conditions: Volumes:

Better than $\pm 3\%$ (Max displayed volume 10L)

Flows: Better than $\pm 10\%$ (Max ± 16 L/s / Min ± 0.02 L/s)

Max Test Duration: 45 seconds

Environmental Data: Selectable temperature (built in sensor), barometric pressure, altitude & humidity

Parameters Displayed: User selectable from:

VC, IVC, IC, VT (TV), TLC, RV, IRV, ERV, FRC, FVC, FIVC, FEV₁, FEV₃, FEV₆, FVC, FEV₁/VC, FEV₁/FVC, FEV₃/VC, FEV₃/FVC, FEV₁/FEV₆, FEF₇₅, FEF₅₀, FEF₂₅, FEF₂₅₋₇₅, FEF₂₅₋₇₅/FVC, FIV₁, PIF, FIV₁/FIVC, FIF₂₅, FIF₅₀, FIF₇₅, FEF₅₀/FIF₅₀, FET, MVVind, FEV₁ Ratio, FEV₀₋₅, PEF L/min, PEF L/s, FEF₀₋₂₋₁₋₂, FEF₇₅₋₈₅%, FEF₂₅%, FEF₅₀%, FEF₇₅%, FMFT, FIF₂₅%, FIF₅₀%, FIF₇₅%, PIF, FEV₀₋₇₅, and lung age

Test Types: Single breath tests, flow/volume loops, multi-breath testing, tidal breathing and combined VC/FVC type test methods supported

Predicted Values Selectable: ERS/ECCS, NHANES, Polgar, Pereira, Berglund, Forsche, Gutierrez, Hedenström, Taiwan, Knudson, Crapo, Hsu, KNLW, Viljanen, SEPAR, Gulsvik, SBPT, Tamura, Ip, Quanjer, Wang, Dockery and more

Performance Standards: ISO 26782:2009, ISO 23747:2007, ATS/ERS 2005

Safety Standards: IEC 60606-1:2005

Medical Safety Standard: Medical Devices Directive 93/42/EEC-1993

Designed & Manufactured Under: ISO

13485:2003, FDA 21CFR820 & CDR SOR 98/282

Ordering Info:

77700 6800 Pneumotrac with Spirotrac®

77550 6800 Pneumotrac with Spirotrac & ECG

70201 7000 Spirotrac Network Licence

Note: Spirotrac Software includes software for Spirometry, 12 Lead ECG, Pulse Oximetry, 6MWT, NIBP, Weight and Bronchial Challenge Testing (Mannitol and Methacholine)

Compatible Devices and Hardware:

40400 4000 Respiratory Monitor asma-1™ USB

41300 12 Lead Bluetooth ECG

70400 Pulse Oximetry Finger Probe USB

70401 Biometric Scanner USB

70402 Blood Pressure Monitor USB

70404 Medical Weighing Scales Bluetooth

Consumables and Accessories:

41301 ECG Electrodes Disposable (30)

28350 2820 BVF™ Bacterial/Viral Filters (50)

20242 2024 SafeTway® Mouthpieces (200)

20980 2024 SafeTway® Mini Mouthpieces (50)

20303 2030 Noseclip Disposable (200)

36020 2040 Precision Syringe 3-L

42084 Flow Conditioning Meshes (10)

Vitalograph is a world leading provider of outstanding quality cardio-respiratory diagnostic devices, clinical trial services and medical equipment servicing. With a pioneering heritage of excellence spanning half a century Vitalograph continues to make valuable contributions to effective medical care and enhanced quality of life.



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