the difference is clear

Vitalograph Pneumotrac

Integrated PC-based precision spirometry

Vitalograph®

Your respiratory partner

Integrated PC-based precision spirometry

Vitalograph Pneumotrac™ harnesses all the power of your networked PCs and Spirotrac V Software, and allows you to capture and disseminate spirometry data across your organisation. It features the reliable and robust Fleisch Pneumotach for the ultimate in accurate spirometry measurement. The Fleisch is widely recognised as the most accurate and reliable flow measuring technology in the world.

Pneumotrac features:

- Portable, lightweight, robust design
- Simply plugs into your PC's USB port
- Laminar flow through micro-capillary tubes ensures high sensitivity and linearity at very low and very high flow rates

- No moving parts – essential in adverse environments
- Autoclavable at 137°C
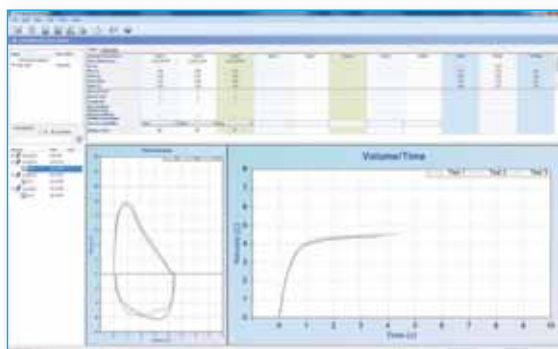- Robust aluminium, TPX and stainless steel construction

Spirotrac V features:

- Intuitive user interface with workflow orientated presentation
- Automated and secure data management
- Open session, f/v and v/t curves, all test data and test quality in one view during a test session
- Supports single and multi-breath spirometry
- Over 50 test parameters
- Automatic storage of all test data and events, including calibration log
- Automatic FEV_1 trend chart of actual and normal range data as subject is selected
- Built-in test quality checks
- Choice of attractive incentives
- Comprehensive configurable reports for spirometry sessions and trending

Enjoy the convenience of extensive connectivity via Spirotrac PC Spirometry Software

Vitalograph Spirotrac® Software combines the power of your Windows® PC and your network, providing long-term storage of spirometry data, with test results being tracked and trended over time, to create a powerful disease management tool.

Spirometry data can be transferred securely and accurately, making it instantly available at whichever PC it is required.

This powerful connectivity capability offers:

- Trending of actual and normal range data over the lifetime of a subject

- Optional Spirotrac modules for specialist tests and reporting

- Centralised fully scalable database using MS SQL server technology

- Connectivity to many occupational health and practice management systems

- Built-in GDT communications standard allows any software to link to Spirotrac

- Links to Vitalograph Fusion Centralised Database and Over-Read enabling Quality Assured Spirometry

Spirometry report options:

- Create spirometry reports from your Pneumotrac via your PC using Spirotrac Software

- Configurable spirometry reports, accuracy check and calibration reports, trending reports and event logs

- Integrated export file options

- Reports can be printed or emailed as PDFs

Technical Specification:

Product: Vitalograph Pneumotrac with Spirotrac V

Model No: 6800

Size: 164mm x 163mm x 167mm

Weight: 0.58 Kg

Operating Temperature Range:
17 - 37℃
Design Limits 10 - 40℃

Power Supply:
From USB 2 port
9V battery for hygiene fan

Flow Detection Principle:
Fleisch type pneumotachograph

Volume Detection:
Flow integration sampling @ 100Hz

Accuracy when in Operating Range:
Volumes: Better than ± 3%
(Max 8L / Min 0.05L)
Flows: Better than ± 5%
(Max 16L/s / Min 0.02L/s)
Linearity: ± 1% in range 0.1 L/s to 16 L/s

Max Test Duration: 20s FVC; 30s VC

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

System Requirements:

Processor Speed: 1.73 GHz or faster

RAM: 1Gb or greater

Disk Space: 500Mb of free disk space plus 1Gb for .NET Framework V.2

Operating System:
Windows XP Pro SP2 or Windows 7

Monitor:
Min. screen resolution 1280 x 768 pixels

Other: Mouse, USB port

Parameters Displayed:
User selectable from: VC, IVC, IC, VT (TV), TLC, RV, IRV, ERV, FRC, FVC, FIVC, FEV_1, FEV_3, FEV_6, FVC, FEV_1/VC, FEV_1/FVC, FEV_3/VC, FEV_3/FVC, FEV_1/FEV_6, FEF_{75}, FEF_{50}, FEF_{25}, FEF_{25-75}, FEF_{25-75}/FVC, FIV_1, PIF, FIV_1/FIVC, FIF_{25}, FIF_{50}, FIF_{75}, FEF_{50}/FIF_{50}, FET, MVind, FEV_1 Ratio, $FEV_{0.5}$, PEF L/min, PEF L/s, $FEF_{0.2-1.2}$, $FEF_{75-85\%}$, $FEF_{25\%}$, $FEF_{50\%}$, $FEF_{75\%}$, FMFT, $FIF_{25\%}$, $FIF_{50\%}$, $FIF_{75\%}$, PIF, $FEV_{0.75}$, Lung Age and more

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 60601-1:2005

Medical Safety Standard:
Medical Devices Directive 93/42/EEC 1993 (as amended)

Designed and Manufactured Under:
ISO 13485:2003, FDA 21CFR820, CMDR

Contact us for further information on the Vitalograph Fusion Service and link options using GDT

Ordering Info:

77000	6800 Pneumotrac™ with Spirotrac® V
70201	7000 Spirotrac V Network Licence
70205	7000 Spirotrac IV to V Upgrade
70202	7000 Spirotrac Annual Support & Upgrade Licence

Optional Modules:

70252	7000 Spirotrac Pulse Oximetry with 6 Minute Walk Test Module
70251	7000 Spirotrac Audit Trail Module
89001	8900 Vitalink Practice Management System Module

Compatible Monitors and Screeners:

40400	4000 Respiratory Monitor asma-1 usb

Compatible 3rd Party Hardware:

70400	Nonin Pulse Oximetry Finger Probe
70401	Finger Print Scanner

Consumables and Accessories:

36020	2040 Precision Syringe 3-L
28350	2820 BVF™ Bacterial/Viral Filters (50)
20242	2024 SafeTway® mouthpieces (200)
20980	2024 SafeTway® mini mouthpieces (50)
20303	2030 Noseclip disposable (200)
42084	Flow Conditioning Meshes (10)
76050	Filter Pads & Tweezers (50)

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