Vitalograph Pneumotrac
Integrated PC-based precision spirometry

the difference is clear

Vitalograph Pneumotrac
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 FEV₁ 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°C

**Power Supply:** From USB 2 port

**Flow Detection Principle:** Fleisch type pneumotachograph

**Volume Detection:** Flow integration sampling @ 100Hz

**Accuracy when in Operating Range:**
- Volumes: Better than ± 3%
- Flows: Better than ± 5%
- 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, TLC, FEV1, FEV2, FEV3, FVC, VC, FEV1/VC, FEV2/VC, FEV3/VC, FEV1% , FEV2% , FEV3% , FEF25% , FEF50% , FEF75% , FEF25-75% , FEF Trotsky, FEF75%, FEF25%, FET, MFV, FEV1, PEFR, FEF75%, PEF, FEF50%, FEF25%

**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:**

**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 21CFR882, 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)

**Vitalograph®, Spirotrac®, SafeTway®, BVF™, Vitalink™ and Pneumotrac™ are trademarks of Vitalograph Ltd.**

UK Sales
Vitalograph Ltd.
Maids Moreton Buckingham
MK18 1SW England
Tel: 01280 827110
Fax: 01280 823302
e-mail: sales@vitalograph.co.uk
www.vitalograph.co.uk

Export Sales
Vitalograph Ltd.
Maids Moreton Buckingham
MK18 1SW England
Tel: +44 1280 827120
Fax: +44 1280 823302
e-mail: sales@vitalograph.co.uk
www.vitalograph.eu

Vitalograph GmbH
Rellinger Straße 64a
20237 Hambourg
Germany
Tel: (040) 547391-0
Fax: (040) 547391-40
e-mail: info@vitalograph.de
www.vitalograph.de

Vitalograph Inc.
13310 West 99th Street
Lenexa
Kansas 66215 USA
Tel: (913) 888 4221
Fax: (913) 888 4259
e-mail: vitcs@vitalograph.com
www.vitalograph.com

Vitalograph Inc.
13310 West 99th Street
Lenexa
Kansas 66215 USA
Tel: (913) 888 4221
Fax: (913) 888 4259
e-mail: vitcs@vitalograph.com
www.vitalograph.com

Vitalograph (Ireland) Ltd.
Gort Road Business Park
Ennis
Co Clare Ireland
Tel: (065) 6864100
Fax: (065) 6829289
e-mail: sales@vitalograph.ie
www.vitalograph.ie