

# PNEUMOTRAC SPIROMETER

The Ideal PC-Based Spirometer for  
General Healthcare and Occupational Health



A Global Leader in Respiratory Diagnostics

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Fast, easy and accurate spirometry instantly on your PC, laptop or tablet.

The next generation Vitalograph Pneumotrac™ Spirometer, combined with Spirotrac® PC software, is a powerful tool for respiratory diagnosis of both adults and pediatrics.

Capture reliable test results immediately with Pneumotrac's precise and durable measuring technology which is extremely accurate and stable over time. Connects instantly to your PC by USB, delivering results through the new improved Spirotrac 6 software.

Compliance with the 2019 ATS/ERS spirometry update ensures your service meets international guidelines on accuracy and reporting.

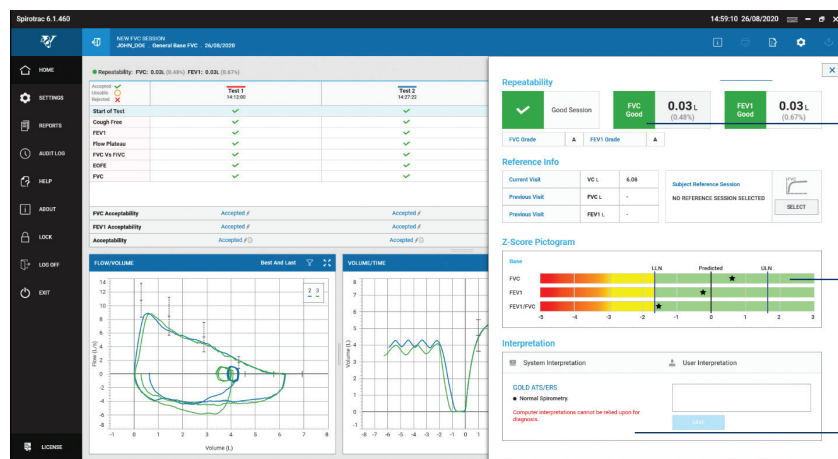


## Features and Benefits

- Meets **2019 ATS/ERS** standardization of spirometry guidelines.
- Supports **full feature spirometry testing and bronchodilator responsiveness testing** with over 50 available parameters.
- **Highly accurate, robust, and stable Fleisch** flow measuring technology with no moving parts.
- **Low running costs & environmentally friendly:** no need for costly disposable sensors, turbines or flow tubes.
- **Save time & money on cleaning** using Vitalograph Bacterial Viral Filters (BVF™) with validated cross-contamination efficiency >99.999%, protecting the device, patient, and operator.
- Real-time curves and new incentive animations encourage **optimal subject performance**.
- Instant **quality feedback** using the latest test/session acceptability, usability and repeatability criteria.



- Automatic computer **interpretation** based on ATS/ERS & GOLD standards.
- Fast evaluation of results using **latest GLI spirometry** predicted equations with LLN, %Pred and Z-scores.
- Ensure best practice with quick and easy calibration verification routines as recommended by 2019 ATS/ERS spirometry guidelines.
- **Automatic BTPS correction** with built-in temperature sensor for optimal accuracy.
- **Share test data easily** with compatible Electronic Medical Record systems.
- Free 5-Year warranty included with Pneumotrac product registration.



FVC and FEV1 Grading System as per latest ATS/ERS 2019 guidelines

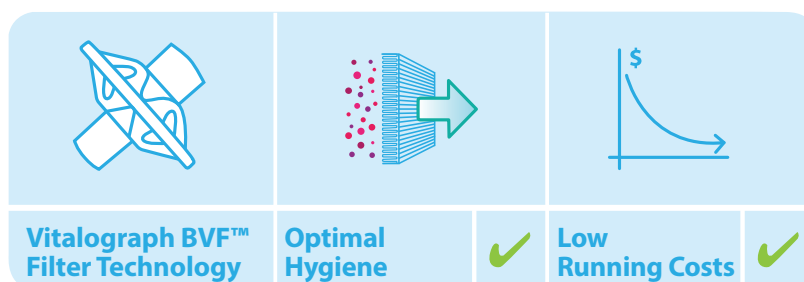
Graphical representation of Z-score values to facilitate interpretation

Interpretation based on latest ATS/ERS and GOLD guidelines

## Vitalograph BVF Bacterial Viral Filters

### Optimal Protection During Spirometry.

Cardboard mouthpieces and disposable turbines do not prevent germ carrying droplets from passing through the device into the testing environment. Our BVF provides that optimal protection with 99.999% cross infection protection against bacteria and viruses including COVID-19, Influenza, TB, MRSA, etc.



Advantages of Vitalograph Filter Technology

## So Much More Than Just Spirometry

Expand the capabilities of Spirotrac by adding full 12-lead ECG. The BT12 transmits traces wirelessly, reducing ECG artefact. The integrated Glasgow algorithm provides a computer-generated analysis of potential cardiac abnormalities, a full range of parameters, interpretation and rhythm analysis.

Speak to one of our team to learn more about our ECG solution



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# Technical Specifications

**Product:** Vitalograph Pneumotrac

**Model:** 6800

**Flow Detection Principal:**

Fleisch type pneumotachograph

**Volume Detection:**

Flow integration sampling @ 100Hz

**Volume Accuracy:** Within  $\pm 2.5\%$

**Flow Measurement Range:**

Max. flow rate  $\pm 960$  L/min ( $\pm 16$  L/s)

Min. flow rate  $\pm 1.2$  L/min ( $\pm 0.02$  L/s)

**PEF Accuracy:** Within  $\pm 10\%$

**Back pressure:** Less than 0.1kPa/L/second @ 14L/s

**Operating temperature:** ISO26782 limits: 17–37°C

**Design limits:** 10–40°C

**Performance standards:**

ATS/ERS 2019, ISO 23747:2015 & ISO 26782:2009

**QA/GMP standards:** EN ISO 13485, FDA 21 CFR 820, JPAL, MDSAP

**Dimensions:**

160mm (length) x 95mm (width) x 115mm (height)

**Weight:** 550g

**Power Supply:** 5V DC via USB

## Ordering information

**6800** Pneumotrac Spirometer (With 7000 Spirotrac 6 Software)

## Optional extras

**36020** 3-L Precision Syringe

**28501** Eco BVF – Bacterial/Viral Filters (100)

**28554** Eco BVF with Bite Lip (75)

**28553** Eco BVF with Bite Lip and Disposable Nose Clip (75)

**28572** Eco BVF and Disposable Nose Clip (80)

**20303** Disposable Noseclips (200)

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# our services cover the globe

## Vitalograph Inc.

Toll Free: 800 255 6626  
Tel: (913) 730 3200  
Fax: (913) 730 3232  
contact@vitalograph.com  
13310 West 99<sup>th</sup> Street  
Lexexa, Kansas, 66215,  
USA

## Vitalograph (Ireland) Ltd

Tel: +353 65 686 4100  
Fax: +353 65 682 9289  
sales@vitalograph.ie  
Gort Road Business Park  
Ennis, Co Clare, V95 HFT4,  
Ireland

Authorised Dealer Stamp

## Vitalograph Ltd, Hong Kong/China

sales@vitalograph.cn  
P.O. Box 812  
Shatin Central Post Office  
Hong Kong

## Vitalograph Ltd, International

Tel: +44 1280 827120  
Fax: +44 1280 823302  
sales@vitalograph.co.uk  
Maids Moreton, Buckingham  
MK18 1SW,  
England

## Vitalograph GmbH,

Tel: +49 40 547391-0  
Fax: +49 40 547391-40  
info@vitalograph.de  
Rellinger Straße 64a  
D-20257 Hamburg  
Germany

## Vitalograph Ltd, UK

Tel: 01280 827110  
Fax: 01280 823302  
sales@vitalograph.co.uk  
Maids Moreton, Buckingham  
MK18 1SW,  
England



vitalograph.com