the difference is clear

Vitalograph Pneumotrac Quick Start Guide

How to install Spirotrac software, activate your software licence(s) and create users.

For further instruction details please visit www.vitalograph.co.uk

Vitalograph®

Your respiratory partner

System Components:

1. Flowhead

2. Breathing tube

3. Hygiene station

4. PP3 9V Battery

5. USB cable

6. Spirotrac CD (with USB drivers)

BEFORE PLUGGING IN THE PNEUMOTRAC™ SPIROMETER MODULE, PLEASE INSTALL SPIROTRAC® SOFTWARE
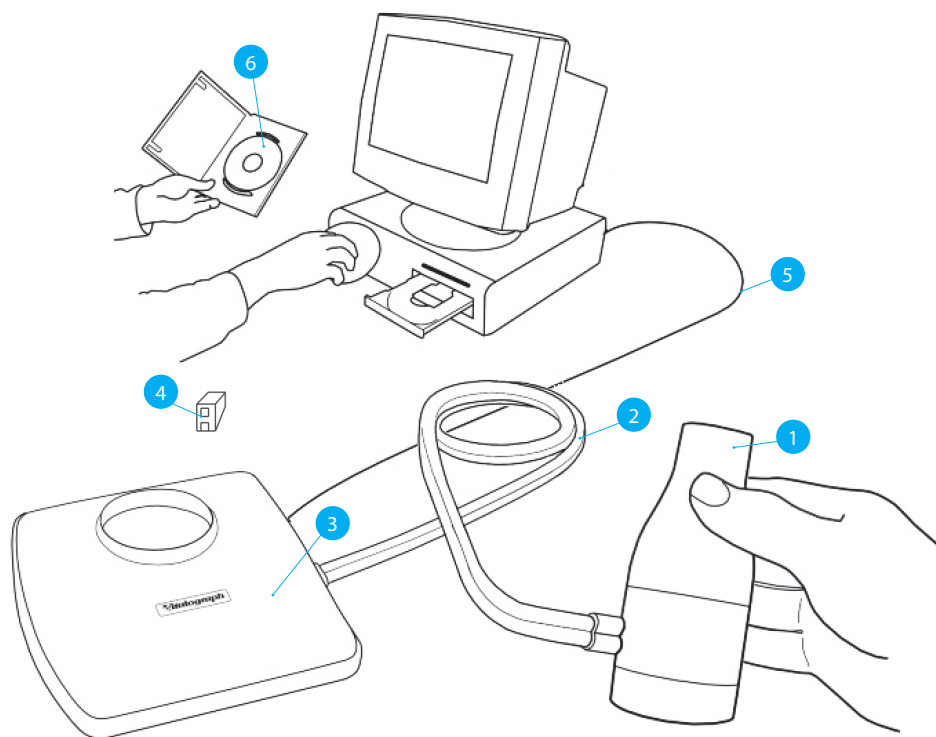
Before Starting

Installation preparation:

1. If the installation of Spirotrac application is with the database on a single PC, skip to 'Getting Started'.

2. If the installation is to be networked, the database will be on a server and/or the database to be accessed by multiple users, or if the installation is an upgrade from a previous Spirotrac installation with a large database; we recommend that your system administrator telephones Vitalograph IT support for advice before commencing installation.

3. For server installations, a utility allows the creation of the database without requiring the Spirotrac application to be installed.

4. We strongly recommend the use of SQL Server for databases installed on a server, not the SQL Express supplied on the Spirotrac CD. Server and multi-user access requires an additional licence.

Getting Started

Installing the Spirotrac software:

1. The software should be installed by the system administrator in your facility because administrator rights are required.

2. Place the Spirotrac CD-ROM into the drive. The Installer screen shows on auto-run. Select 'Install Spirotrac'.

3. The install wizard guides the administrator through the install process.

4. At the setup section select the type of installation required:
   Test or Review Station:
   - A review station cannot use a test device
   - A Multi-User Licence is required for server installation or to access another database

   (Default: Test) and the type of database installation Local/Multi-User (Default: Local)

5. If the installation is to be a test station, the Test Station licence needs to be entered (this can be found on the licence certificate).

6. The successful installation will place a shortcut onto your desktop. Open this to run Spirotrac.

7. Now the licence needs to be activated. With internet connection this can be done automatically, otherwise select manual activation and wait for the reply before proceeding.

8. Finally, the Administrator needs to set up additional user(s) with their names, passwords and user types. At least one 'Operator' needs to be created.

9. After installation of the software is completed leave the CD in the drive for driver installation.

Installation Screen

Setup Screen

Activation Screen

Spirotrac Shortcut Icon

GDT Standard

Practice Management & OH Software Connection:

Spirotrac conforms to the GDT data interchange standard. If your office software also supports this you need to check that the data exchange folder is set to the same location in both Spirotrac and your office software.

Installation

Setting up the Pneumotrac hardware:

1. Connect the white silicone tubing to the side of the hygiene station and the flowhead. Ensure that the grooved side of the tubing matches with the grooved side of the connectors at both ends.

2. Insert a 9V PP3 battery into the receptacle at the bottom of the hygiene station. (This drives the hygiene fan, although the device will function without a battery.)

3. Place a new filter pad on the hygiene station, then place the flowhead on top of this.

4. Connect the USB cable into an available USB 'A' socket on your PC.

5. Plug the other end, the USB 'B' connector into the socket at the side of the hygiene station.

USB Drivers

Setting up the system for use:

1. The PC will detect the USB Pneumotrac automatically.

2. With the Spirotrac® CD-ROM in the drive, allow the drivers to automatically install. There are two drivers, both need to be installed.

3. In the Spirotrac application, select 'Tools' / 'Device' and ensure that Pneumotrac is selected as the device.

4. Select 'Tools' / 'Options' / 'Communications' and test the COM port.

Accuracy Check

1. Click on the 'Syringe' Icon.
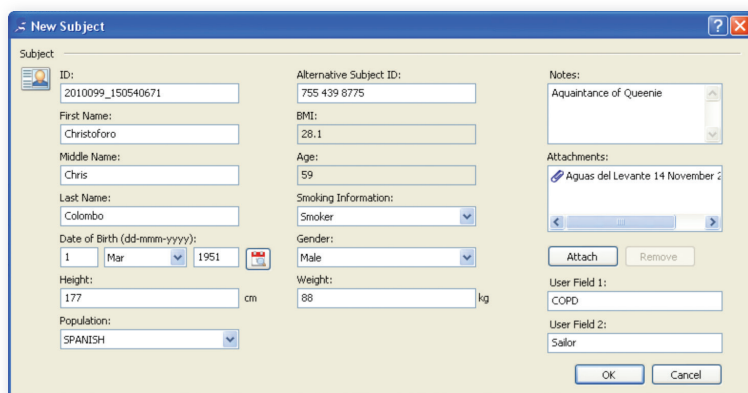2. Check the accuracy using a 3-L Precision Syringe.

3-L Precision Syringe

Entering Subject Data

Creating a New Subject:

1. To enter a new subject, click your mouse cursor on the new subject icon. Fill out the dialogue fields, using **Tab** on your keyboard to jump to the next field.

2. When you have filled in all the fields, click 'OK'.

3. The subject is now the 'Current Subject' and shows in the 'Subject Demographics' tab until a test session commences.

New Subject Screen

New Subject Icon

GDT Standard Automated Subject Data

Automatic Subject Demographics:

If your Practice Management / OH Software supports GDT Standard data exchange, you do not normally need to enter new subjects. You simply launch Spirotrac from your office software and the subject data will automatically be populated, whether a new or an existing subject in the Spirotrac database.
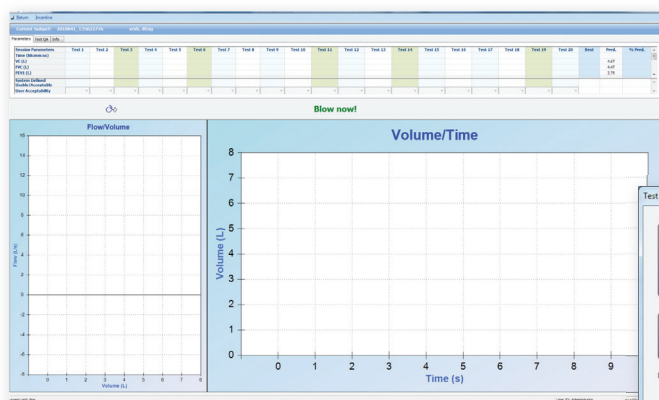
Conducting a Test

Spirometry:

1. For each subject insert a new BVF™ (Bacterial Viral Filter) in the flowhead or use a SafeTway® mouthpiece (SafeTway mouthpieces are recommended if you are conducting expiratory testing only, but the BVF helps to protect the device as well as the test subject). Fit a disposable noseclip to the subject.

2. Click on the VC or FVC Icon . Wait until the message "**Blow Now!**" appears above the graph display.

3. Give your test subject the following instructions:

   - Sit upright and relax

   - Hold the flowhead, away from your mouth

   - Inhale as deeply as possible and hold your breath

   - Now place the mouthpiece into your mouth and hold it firmly between your teeth firmly, sealing your lips around it (Demonstrate this with another mouthpiece)

   - For VC: Blow out as slowly and keep blowing until your lungs are completely empty, like this (Demonstrate the manoeuvre)

   - For FVC: Blow out as hard and fast as possible, keep blowing for at least 6 seconds, like this (Demonstrate the manoeuvre)

   - Then get the test subject to inhale, hold, insert mouthpiece and blow

   After the subject has finished blowing, a dialogue field appears and gives advice on the test quality.

4. Click on the button [Accept] in order to accept the test, click on [Reject] in order to reject the test or click on [Auto] to keep the automatic interpretation. A minimum of 3 acceptable blows are required for a satisfactory test series.

5. Click on the 'Return' Icon (top left of screen) to exit the test screen.

6. All tests are automatically saved whether or not you have rejected them.

FVC Icon

Spirotrac V Screen - "Blow Now!" Message
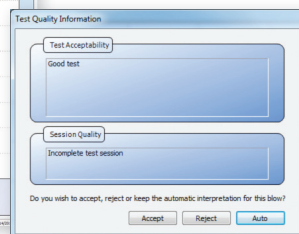
Quality Message Dialogue Box

Creating A Report

1. When you have finished testing and want to create a report to transmit or print simply click on the 'Report' Icon.

   CONGRATULATIONS! YOU HAVE SUCCESSFULLY COMPLETED YOUR FIRST SPIROMETRY SESSION ON YOUR NEW VITALOGRAPH PNEUMOTRAC.

2. There are many other report options, refer to TOOLS / OPTIONS / REPORTS.

PFT Report

Report Icon

Ordering Info:

28350   2820 BVF™ bacterial/viral filters (50)
20303   2030 Disposable noseclips (200)
20242   2024 SafeTway® mouthpieces (200)
70201   Multi-user / Network licence
42084   Flow Conditioning Mesh (10)
76050   Filter pads for hygiene station (50)

Technical Support:
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