# Vitalograph Pneumotrac™

### Integrated precision spirometry

Incredible accuracy and reliability in flow measuring technology meets the latest PFT software!

Using ComPAS2 and the Vitalograph Pneumotrac provides a comprehensive and versatile spirometry solution to meet your clinical and technological needs.

### Excellence in spirometry

Through clever use of interactive help and clinical monitoring, ComPAS2 provides excellence in spirometry. Flow Volume efforts can be completed in any order of breathing with full fidelity of the loop captured and stored. For reports, data is automatically selected by ATS criteria; however, the user can override both data and loop selection if desired.

For testing young children, brilliant incentive graphic animation is employed to encourage effort and response. Are you ready to breathe fire like a dragon?

### Features

- Portable, lightweight, robust design
- Simple USB connection
- Laminar flow through micro-capillary tubes ensure high sensitivity and linearity at very low and very high flow rates
- Built-in temperature sensor

### User-friendly, yet research grade

With ComPAS2, testing is as easy as 1, 2, 3.
- A simple press on the spacebar begins all tests.
- When maneuvers are completed, the software checks the individual effort against ATS recommended "performance" criteria.
- Compliant to the 2019 ATS/ERS spirometry grading standard for accuracy and reporting.
- Drag and drop efforts from Pre to Post.
- Challenge protocols are a standard feature: 2017 Methacholine, Exercise Induced Asthma, Cold Air, Aspirin, Upright/Supine, and ability to customize your own protocols.
- Import legacy KoKo data.

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**Highly accurate and robust Fleisch pneumotach**

Oops, the patient dropped the flow head again! No problem, there are no electronics in the flow head to be broken.



## Capabilities

**Test capability:** Static Spirometry, Flow Volume Loops, MVV, Cough Peak Flow and Bronchial Challenge

**Six Minute Walk:** Nonin WristOx

**FENO:** Enter and trend FeNO data

**Bacterial/Viral Filter:** Competitive filter pricing without compromising test quality

## ComPAS2 features

**PC operating system:** Networked or stand-alone Windows 10 & Windows 11

**Standard predicted sets:** GLI, ATS/ERS, NHANES III, Polgar, Knudson, Crapo and Morris, HSU, Wang and Dockery, and many more. Custom predicted sets are easily created.

**Reporting:** Brilliant library of report options including:
- Logo and header design
- Manual entry information
- Numerous test graphics
- Summary of all efforts
- Overlay of graphics
- Past test result history
- Serial data trend graphing
- Computer impressions
- Captured digital signature
- Administrative reports, QA reports, and research query reports

**Interfacing:** HL7 Orders/Results/Billing and PDF

**Remote interpretation:** When tests are completed, results can be routed to any network/internet-connected station for physician interpretation.

**Remote support:** ComPAS QuickSupport with TeamViewer or other remote access solution

## Specifications

**Model number:** 6800

**Size (H x W x D):** 4.5 x 3.75 x 6.3 inches
**Weight:** 1.3 pounds
**Operating temperature range:** 63 – 99˚ F
**Power supply:** 5V via USB port
**Flow detection principle:** Fleisch type pneumotachograph
**Volume detection:** Flow integration @ 100Hz
**Accuracy:** Volumes, better than ±2.5%; Flows, better than ±5% (max 16L/s and min 0.02L/s)
**Linearity:** ±1% in range 0.1 L/s to 16 L/s

**Performance standards:** ATS/ERS 2017/2019 and EN ISO 23747:2009
**Safety standards:** IEC 60601-1:2005
**Medical safety standard:** Medical Devices Directive 93/42/EEC

Designed and manufactured by Vitalograph Certificate # 700480: MDSAP ISO 13485:2016

ComPAS2 software by Morgan Scientific, Inc. Certificate # QS60949650004 Rev. 02: MDSAP ISO 13485:2016/FDA 21 CFR 803, 806, 807 Subparts A to D, 820/CMDR

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