



# Pneumotrac™



## Integrated precision spirometry

The most accurate and reliable flow measuring technology meets the world's finest PFT software!

Using ComPAS and the Vitalograph Pneumotrac provides the most comprehensive and versatile spirometry solution ever designed.



## Excellence in spirometry

Through clever use of interactive help and clinical monitoring, ComPAS 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.

Incentive screens: 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 ComPAS, 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. If the effort meets these test standards, a hollow check mark provides visual confirmation.
  - Once the appropriate number of tests meet both "performance" and "reproducibility" criteria, solid check marks appear confirming that ATS standards have been met.
  - Drag and drop efforts from Pre to Post
  - KoKo Data Importer
  - Research Query Tool

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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



## ComPAS features

**PC operating system:** Networked or stand-alone Windows 7 or 10

**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 customized.

**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 WebEx



## Specifications

**Model number:** 6800

**Size (h x w x d):** 64.6 x 64.2 x 65.8 inches

**Weight:** 1.3 pounds

**Operating temperature range:** 63 – 99° F

**Power supply:** 12V via USB port

**Flow detection principle:** Fleisch type pneumotachograph

**Volume detection:** Flow integration @ 100Hz

**Accuracy:** Volumes, better than +/- 3%;  
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 2005/2017  
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 under  
ISO 13485:2003, FDA 21CFR820, CMDR  
ComPAS software by Morgan Scientific, Inc.  
ISO 13485:2003, Certificate #14378