



# Vitalograph Pneumotrac™ with RMS



## Spirometry and respiratory muscle strength in one portable package

It's never been easier to measure respiratory muscle strength (RMS) and spirometry together from anywhere with the new Pneumotrac with RMS.

Adding the RMS capability provides a non-invasive and simple approach to mouth and nasal pressure for both adults and pediatric patients.

Assess diaphragmatic weakness in patients with neuromuscular disease, respiratory muscle strength in patients undergoing pulmonary rehabilitation such as COPD, and monitor the response of respiratory muscle training. Compare seated and supine measurements. Track and trend together with FVC (Forced Vital Capacity), CPF (Cough Peak Flow), and MIP/MEP (Maximum Inspiratory/Expiratory Pressure) for accurate diagnosis and comprehensive COPD and neuromuscular disease management.



## Features

Suitable for testing both adults and children due to the extremely reliable Fleisch flow technology for accuracy even at the lowest flow rates.

- Portable and lightweight PC based testing solution
- Ergonomic friendly design
- Superior resolution of 0.1 cmH20 for MIP, MEP, and SNIP testing
- Vast testing capability and customizations



## ComPAS2 - change how you see PFT

ComPAS2 is where PFT power meets efficiency with robust testing, reporting, and connectivity capabilities including:

- Instant test feedback for acceptability and reproducibility to latest ATS/ERS standards
- Instant advanced report generation
- Industry leading workflow and remote interpretation
- Customizable testing dashboards and reports
- Unsurpassed EMR Integration with discrete results and billing
- End to end encryption ensures data security

# Vitalograph Pneumotrac™ with RMS

Brilliant integration of spirometry & respiratory muscle strength, with enterprise-class reporting and workflow

Take-anywhere portability matched with superior ComPAS2 versatility



## Capabilities

**Test capability:** Static Spirometry (SVC), Flow Volume Loops (FVC), Maximum Voluntary Ventilation (MVV), Cough Peak Flow (CPF), Respiratory Pressures (MIP, MEP, SNIP), Seated/Supine, and Bronchial Challenge

**Six Minute Walk:** Nonin WristOx

**FENO:** Enter and trend FeNO data



## 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 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 other remote access solutions



## Specifications

**Model number:** VIT-77977

**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  $\pm 2.5\%$ ;

Flows, better than  $\pm 5\%$  (max 16 L/s and min 0.02 L/s)

Pressures, better than  $\pm 3\%$  with 0.1 cmH<sub>2</sub>O resolution

**Linearity:**  $\pm 1\%$  in range 0.1 L/s to 16 L/s

**Pressure Measurement Range:**  $\pm 300$  cmH<sub>2</sub>O

**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