

Vitalograph ALPHA Touch



the difference is clear

Vitalograph ALPHA Touch

Precision spirometry with portability,
printing and PC connectivity

 **Vitalograph**[®]
Your respiratory partner

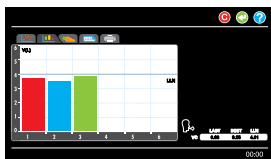
Simple touch screen spirometry with in-built printing and automatic PC connectivity

The new generation Vitalograph ALPHA Touch is an easy to use, lightweight desktop spirometer that offers the benefits of portability, data integration and a built in printer. The ALPHA Touch features a precise and robust Fleisch pneumotachograph and a simple icon driven menu, plus a large, high resolution colour touch-screen and storage capacity for 10,000 subjects.

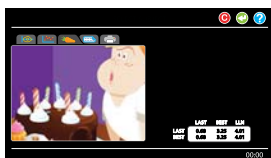
Manual entry of subject data is optional as ALPHA Touch automatically copies all subject data from Spirotrac – saving time and eliminating data entry errors.



Forced Vital Capacity



Slow Vital Capacity



Child Incentive



Touch Screen Keypad



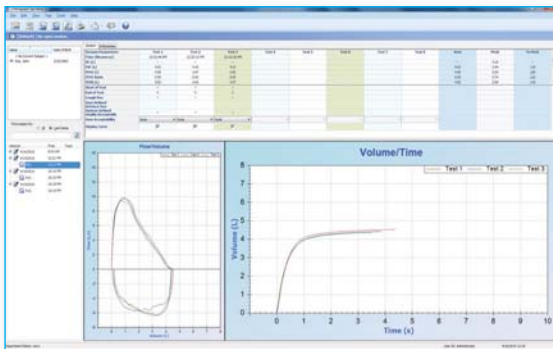
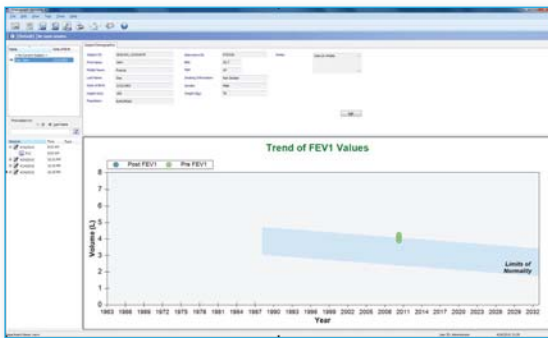
ALPHA Touch features:

- Fleisch Pneumotachograph, the most accurate, sensitive and robust flow measuring technology available
- High resolution touch screen with simple icon driven menu
- Storage capacity for 10,000 subjects in the device
- Automatic two-way synchronisation of patient data and test sessions between ALPHA Touch and Spirotrac
- F/V & V/T curves viewable in real time
- Print via the internal printer, which holds longer than average rolls, or produce A4/letter sized reports via Spirotrac or Vitalograph Reports
- Over 50 selectable test parameters
- Pre-post bronchodilator comparison
- Single or multi breath testing
- % predicted or standard deviation scores (SDS scores) comparison
- Customisable reports including interpretation option, BMI and lung age information
- Hours of battery life for a full day of off site testing
- Choice of child incentives with sound effects
- Robust carrying case

Enjoy the convenience of extensive connectivity via Spirotrac PC Spirometry Software

Vitalograph Spirotrac® Software combines the power of your Windows® PC and your network, providing long-term storage of spirometry data, with test results being tracked and trended over time, to create a powerful disease management tool.

Once the ALPHA Touch is connected to Spirotrac, all sessions can be automatically transferred to, and synchronised with, Spirotrac. This enables full connectivity to your PC, your network and your Practice Management System.



This powerful connectivity capability offers:

- Automatic upload of subject data and download of test data to Spirotrac
- Trending of actual and normal range data over the lifetime of a subject
- Optional Spirotrac modules for specialist tests and reporting
- Fully scalable database using MS SQL server technology
- Connectivity to many Occupational and Practice Management Systems
- Built-in GDT communications standard allows any software to link to Spirotrac
- Links to Vitalograph Centralised Database and Over-Read enabling Quality Assured Spirometry

Spirometry report print options:

- Create spirometry reports from your ALPHA Touch via the built-in printer or via your PC using Spirotrac or Vitalograph Reports Software
- Configurable spirometry reports, accuracy check and calibration reports, trending reports and event logs



Technical Specification:

Product: ALPHA Touch

Model No: 6000

Dimensions:

300mm x 250mm x 75mm

Weight: 2kg net

Gross Weight and Size (Packed):

Weight: 4kg

Packed Size: 470mm x 112mm x 377mm

Subjects: Automatic population of database from Spirotrac. Name, ID; Age, Height, Gender; Smoking Status, Body Mass Index and more depending on model. Storage of up to 10,000 subjects

Selectable Parameters (depending on model):

VC; IVC; IC; VT (TV); TLC; RV; IRV; ERV; FRC; FVC; FIVC; FEV₁; FEV₃; FEV₆; FVC; FEV₁/VC; FEV₁/FVC; FEV₃/VC; FEV₃/FVC; FEV₁/FEV₆; FEF₇₅; FEF₅₀; FEF₂₅; FEF₂₅₋₇₅; FEF₂₅₋₇₅/FVC; FIV₁; PIF, FIV₁/FIVC, FIF₂₅, FIF₅₀, FIF₇₅, FEF₅₀/FIF₅₀, FET, MVV_{ind}, FEV₁ Ratio; FEV_{0.5}; PEF L/min; PEF L/s; FEF_{0.2-1.2}; FEF_{75-85%}; FEF_{25%}; FEF_{50%}; FEF_{75%}; FMFT; FIF_{25%}; FIF_{50%}; FIF_{75%}; PIF; FEV_{0.75}; Lung Age and more

Environmental Data: Selectable:

Temperature (built in sensor), Barometric pressure, altitude and humidity

Test Types: Single breath tests, flow/volume loops, multi-breath testing, tidal breathing and combined VC/FVC type test methods supported

Predicted Values Selectable (depending on model):

ERS/ECCS; NHANES, Polgar, Pereira, Berglund, Forsche, Gutierrez, Hedenström, Taiwan; Knudson, Crapo; Hsu; KNLW; Viljanen; SEPAR; Gulsvik; SBPT; Tamura; Ip; Quanjer; Wang; Dockery and more

Suggested Interpretation: User selectable

Storage Humidity: 10% to 95%

Storage Temperature: 0°C to 50°C

Recommended Operating Temperature Range: 17 - 37°C; **Design Limits:** 10-40°C

Data Storage: Stores up to 10,000 subjects

PowerSAFE™:

Input 100 - 240V AC 50-60Hz, output 12V DC

Battery Pack:

Rechargeable NiMh, 7.2V 1, 800mAh

Flow Detection Principle:

Fleisch type pneumotachograph

Volume Detection:

Flow integration sampling @ 100Hz

Resolution: 10 mL volume; 0.01 L/s flow

Accuracy when Operated in Operating Temperature Range Conditions:

Flow +/- from 10% to 5%

Max flow rate +/- 16L/s

Min flow rate +/- 0.02L/s

Volume Accuracy: Better than +/-3%

Maximum Displayed Volume: 10 L

Linearity: +/-3%

Maximum Test Duration: 90 seconds

Flow Impedance: <0.1kPa/L/s @ 14L/s

Complies with ATS/ERS 2005

Printer: Thermal

Performance Standards: ISO 26782:2009, ISO 23747:2007; ATS/ERS 2005

Safety Standards: IEC 60601-1:2005

Medical Devices Directive:

93/42/EEC1993 as amended

Designed & Manufactured Under: ISO

13485:2003, FDA 21CFR820 and CMDR

Communications: USB and CF card

Connectivity: USB 2 B

Vitalograph is a world leading provider of outstanding quality respiratory diagnostic devices, clinical trial services and medical equipment servicing. With a pioneering heritage of excellence spanning half a century Vitalograph continues to make valuable contributions to effective medical care and enhanced quality of life.

Ordering Info:

65500	6000 ALPHA Touch
65600	6000 ALPHA Touch with Spirotrac software
70201	Spirotrac Multi-User Licence
89001	Vitalink™ Practice Management Connectivity System Software
28350	2820 BVF™ Bacterial/Viral Filters (50)
20242	2024 SafeTway® Mouthpieces (200)
20980	2024 Mini SafeTway® Mouthpieces (50)
20303	2030 Noseclip Disposable (200)
36020	2040 Precision Syringe 3-L
66149	Thermal printer paper (5)
42084	Flow conditioning meshes (10)
14002	Half Day Operator Training

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Your respiratory partner

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