

the difference is clear

# Vitalograph ALPHA

## Effective spirometry – pure & simple

Vitalograph ALPHA is an easy to use, lightweight desktop spirometer that delivers an ideal combination of portability, speed and accuracy. ALPHA's low cost spirometry testing is enhanced by a precise and robust Fleisch pneumotachograph and a high resolution colour screen.

- Measures VC, FVC, FEV<sub>1</sub>, FEV<sub>1</sub> Ratio, PEF, FEF<sub>25-75%</sub> and more
- On-screen visualisation of volume/time and flow/volume curves
- Saves multiple pre-tests for subsequent post-testing
- Compact Flash removable memory card slot
- Presents the test information in clear, easy to read format
- Links to PC, via USB, with Vitalograph Reports Software
- Fast, silent printer that prints 140 tests per roll
- Battery and mains power with integrated battery for off site testing
- Real time clock
- Autoclaveable flowhead
- Facility for user accuracy checks
- Automatically selects the best test
- Complete with stylish carry case

**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.**





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## Technical Specification:

**Product:** ALPHA Spirometer

**Model No:** 6000

**Size:** 300 x 250 x 75mm

**Weight:** 2kg net

**Parameters Measured:**  
Varies by country variant

**Operating Temperature Range:**  
ATS/ERS Limits: 17 - 37°C  
Design Limits: 10 - 40°C

**Voltage/Frequency:** 110-250V~50/60Hz

**Flow Detection Principle:**  
Fleisch type pneumotachograph

**Volume Detection:**  
Flow integration sampling @ 100Hz

**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

**Maximum Test Duration:** 90 seconds

**Flow Impedance:**  
<0.1kPa/L/s @ 14L/s  
Complies with ATS/ERS 2005

**Printer:** Thermal

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

**Safety Standards:**  
IEC 60601-1:2005

**Medical Safety Standard:**  
Medical Devices Directive  
93/42/EEC as amended

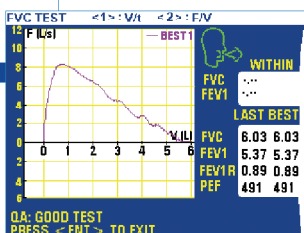
**Designed & Manufactured Under:**  
ISO 13485:2003, FDA 21CFR820,  
CMDR

**Communications:**  
USB and Compact Flash

### Vitalograph alpha - Main Menu

- |                |                  |
|----------------|------------------|
| 1 VC TEST      | 6 NEW SUBJECT    |
| 2 FVC TEST     | 7 ACCURACY CHECK |
| 3 PRINT        | 8 CONFIGURATION  |
| 4 POST MODE    | 9 HELP           |
| 5 CLEAR RESULT |                  |

PRESS BUTTON NUMBER



## Ordering Info:

- 65000** 6000 ALPHA™ Spirometer
- 28350** 2820 BVF™ Bacterial Viral Filters (50)
- 20242** 2024 SafeTway® mouthpieces (200)
- 20980** 2024 SafeTway® mini mouthpieces (50)

- 20303** 2030 Noseclips disposable (200)
- 36020** 2040 Precision Syringe 3-L
- 66149** Thermal printer paper (5)
- 42084** Flow conditioning meshes (10)

**Vitalograph®**  
Your respiratory partner

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