

VITALOGRAPH ALPHA SERIES

The Flexible All Round Spirometers For Use With or Without a PC



Vitalograph[®]
Your cardio-respiratory partner

Data you can rely on. People you can trust.

VITALOGRAPH ALPHA SERIES

The Flexible All Round Spirometers For Use With or Without a PC

Vitalograph ALPHA

The World's Easiest To Use Spirometer - No PC Required

The Vitalograph®ALPHA™ is the spirometer of choice for respiratory care professionals around the world due to its ease of use, portability, integral printer and long term reliability.

- Integral thermal printer
- Durable measurement technology without the need for expensive disposable sensors, turbines, spirometers or flow tubes
- Optimal hygiene via Bacterial Viral Filters (BVF™)
- No user calibration required
- Simple and intuitive navigation
- Built-in interpretation of measurement results
- Mains or battery powered
- Includes all parameters for adult and paediatric patients within general healthcare and occupational health
- Includes Vitalograph Reports Software with the ability to create editable PDFs
- Features latest GLI spirometry predicted equations and Z-scores



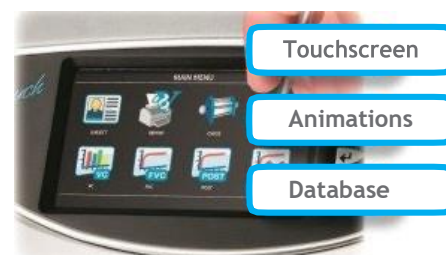
Vitalograph ALPHA Touch

The Flexible All Round Spirometer For Use With or Without a PC

Vitalograph ALPHA Touch is an easy to use, lightweight desktop spirometer that offers the benefits of portability and a built-in printer. A large, high resolution colour touchscreen display, combined with an intuitive icon driven user interface, makes the ALPHA Touch quick and simple to operate.

The ALPHA Touch contains all the features of the ALPHA plus:

- The ability to use with or without a PC
- Touchscreen for modern and intuitive navigation
- Patient management database for storing more than 10,000 patients
- Intuitive icon driven user interface
- Choice of child friendly incentive animations to help improve patient cooperation
- Optional upgrade to Spirotrac® Software enables automatic data exchange, via HL7 or GDT transfer protocols, with electronic medical record (EMR) systems



Vitalograph ALPHA Touch Specifications

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| Product | Vitalograph ALPHA Touch |
| Model Number | 6000 |
| Dimensions | 300mm x 250mm x 75mm |
| Weight | 2kg net |
| Gross Weight and Size (Packed) | 470mm x 112mm x 377mm 4kg |
| Subjects | Automatic population of database from Spirotrac. Name, ID; Age, Height, Gender; Smoking 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/FEV6; FEF75; FEF50; FEF25; FEF25-75; FEF25-75/FVC; FIV1; PIF, FIV1/FIVC, FIV1/FEV1 Ratio; FEV0.5; PEF L/min; PEF L/s; FEF 0.2-1.2; FEF 75-85%; FEF25%; FEF50%; FEF0.75; 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 V |
| Predicted Values Selectable (depending on model) | ERS/ECCS; GLI, NHANES, Polgar, Pereira, Berglund, Forsche, Gutierrez, Hedenström, T 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 |

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|----------------------------------|---|
| 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 in Operating Range | Flow +/- from 10% to 5% Max flow rate +/-16L/s Min flow rate +/-0.02L/s |
| Volume Accuracy | Better than +/-3 |
| Maximum Displayed Volume | 10L |
| 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 and 2016 FDA 21 CFR 820 CMDR |
| Communications | USB and CF card |
| Connectivity | USB 2 B |

Authorised Distributor



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Low Running Costs

Optimal Hygiene

Ordering Information

65000 Vitalograph ALPHA
65500 Vitalograph ALPHA Touch
65600 Vitalograph ALPHA Touch with Spirotrac Software

Accessories

28350 Vitalograph BVF Bacterial Viral Filters (50)
20303 Noseclips (200)
36020 Precision Syringe - 3 Litre
66149 Thermal Printer Paper (5 rolls)