

Healthcare

# VITALOGRAPH Alpha

Changing the way you look at desktop spirometry.



A Global Leader in Respiratory Diagnostics

# VITALOGRAPH Alpha

The next generation touchscreen diagnostic desktop spirometer.



Whether you are testing on the go, remotely or in a clinic, the Alpha is the ultimate desktop spirometry solution.

The new Alpha encompasses compliance with the ATS/ERS 2019 spirometry guidelines, multiple testing options, quick loading integrated thermal printer and direct links to Vitalograph Device Studio to generate PDF reports. Vitalograph Connect provides versatile connectivity to your electronic medical records, taking spirometry testing to the next level.

## Features and Benefits

- Meets **2019 ATS/ERS standardization of spirometry** ensuring that testing meets the most up-to-date, internationally recognised guidelines.
- The updated test quality grading system and **live testing prompts** give you the power to get the best quality results possible.
- Supports **Full Feature Spirometry Testing and Bronchodilator Responsiveness Testing** allowing you to take your spirometry clinic where ever you go.
- Quickly evaluate results using **GLI predicted equations** with LLN, %Pred and Z-scores.
- Gives highly accurate, robust and stable flow measuring technology giving peace of mind for accurate results.
- **Low running costs:** no need for costly disposable sensors, turbines, spirettes or flow tubes.
- **Automatic interpretation** based on ATS/ERS & GOLD standards.
- **Free 5-year warranty** with Alpha product registration.



## Keep up to date

Vitalograph Device Studio not only generates PDF reports but also receives the latest firmware updates.

## Ensure accuracy

The Alpha features quick and easy calibration verification routines as recommended by 2019 ATS/ERS spirometry guidelines.

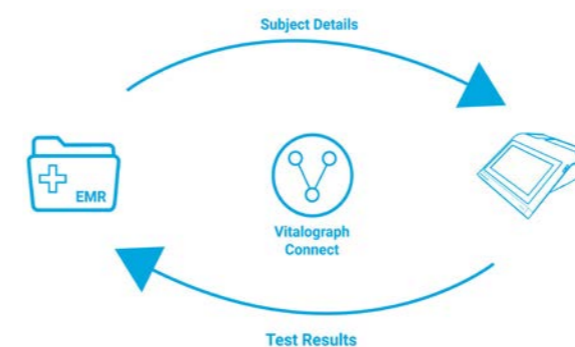
## Versatile Reporting

Get instant spirometry reports with the fast integrated printer or via Vitalograph Device Studio.

## Save time in consultations

It's easy to link EMR systems with the Alpha - Vitalograph Connect middleware software (included as standard).

- Eliminate errors and improve workflow with subject details automatically transferred from your clinical system to the Alpha.
- Read codes and PDF reports are automatically filed to the subject's medical record providing enhanced data safety and saving precious time.



## Save time and money on cleaning



Using the Vitalograph Bacterial Viral Filters (BVF™) provides a significant level of protection for the subject, the device and the user against cross contamination during spirometry manoeuvres. When a new BVF is used for every patient, Vitalograph recommends that only the exterior of the device requires cleaning.

# Technical Specifications

**Product:** Vitalograph Model 6000 Alpha

**Model:** 6000

**Dimensions:** 204mm (length) x 253mm (width)

**Weight:** 1.5kg

**Communications:** USB (Device Studio), Ethernet/WiFi (Connect)

**Flow Detection Principal:**

Fleisch type pneumotachograph

**Essential Performance:** Flow measurement output

**Essential Performance Test Limits:**

Flow Accuracy  $\pm 10\%$  or  $\pm 20$  L/min, whichever is greater

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

**Maximum test duration:** 90 seconds

**Maximum displayed volume:** 10L

**Volume accuracy:** Better than  $\pm 2.5\%$

**Voltage/frequency:** Power supply: Input 100-240V, 50/60Hz Output 12V, 1.5A, Battery: 7.2V, 2.2Ahr

**Accuracy when operated in operating temperature range conditions:** Flow  $\pm 10\%$ , Max. flow rate  $\pm 14$  L/s, Min. flow rate  $\pm 0.02$  L/s

**Performance standards the Vitalograph Alpha meets or exceeds:** ATS/ERS 2019, ISO 23747:2015 & ISO 26782:2009

**Printer Type:** Thermal

## Ordering information

| Product Model Number | Customer Order Number | Product Description          |
|----------------------|-----------------------|------------------------------|
| 6000                 | 69002                 | Vitalograph Model 6000 Alpha |

## Optional extras

| Product Model Number | Customer Order Number | Product Description                               |
|----------------------|-----------------------|---|
| 2040                 | 36020                 | 3-L Precision Syringe                             |
|                      | 28554                 | Eco BVF with Bite Lip (75)                        |
| 2820                 | 28553                 | Eco BVF with Bite Lip + Disposable Nose Clip (75) |
|                      | 28501                 | Eco BVF (100)                                     |
|                      | 66149                 | Thermal Printer Paper (5 rolls)                   |

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# Vitalograph®

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