

Vitalograph®

Your cardio-respiratory partner

Data you can rely on.
People you can trust.



Vitalograph Respiratory Monitor Range

For the screening and monitoring of
chronic respiratory diseases.

- Proven performance
- Accurate, reliable & robust
- Low cost
- Adult & Child models
- Award winning
- Large display
- Easy to clean flowhead



Vitalograph respiratory monitors range

The Vitalograph range of USB and Bluetooth® enabled respiratory monitors is designed to enable transmission of respiratory data to your e-Diary, telephone, PDA, computer or telemedicine hub, making the home monitoring of those with chronic respiratory diseases, including asthma, cystic fibrosis, COPD and transplant patients, easier than ever.

These devices are ideal for general screening of chronic respiratory disease, in clinical trials and occupational health environments, and provide low cost, accurate and reliable home respiratory monitoring for e-Diary, home hub and telemedicine providers.

Vitalograph asma-1 & asma-1 Child

Simple, effective asthma monitoring

The asma-1™ is a robust and cost effective solution for the home monitoring of PEF and/or FEV1. It is fast and simple to use with proven reliability and accuracy in numerous large scale deployments worldwide.

- Electronic record - no need for record cards
- Automatic assessment of test quality
- Provides greater accuracy than a mechanical peak flow meter
- FEV1 less effort dependent
- Child versions measure PEF, FEV1, FEV0.5 and FEV0.75
- Displays % of personal best for both PEF & FEV1
- Stores 600 test sessions



Vitalograph copd-6

For effective COPD screening

The Vitalograph copd-6™ identifies those at risk of COPD at the pre-symptomatic stage to allow early medical intervention and facilitate better clinical outcomes.

This pioneering device screens out those whose FEV₁ is normal, and who therefore do not have COPD, without the risk of false COPD negatives.

- Monitors COPD patients using their 'number', the obstructive index
 - FEV₁ as a percent of predicted
- Displays FEV₁, FEV₆, ratio and % predicted, obstructive index, COPD classification and lung age
- Built-in quality of blow indicator
- Displays the GOLD COPD classification (stage I – IV) to help recognise the need for a change in the patient's management plan



Vitalograph lung monitor

For the home monitoring of FEV₁, FEV₆, FEV₁/FEV₆ & FEF_{25-75%}

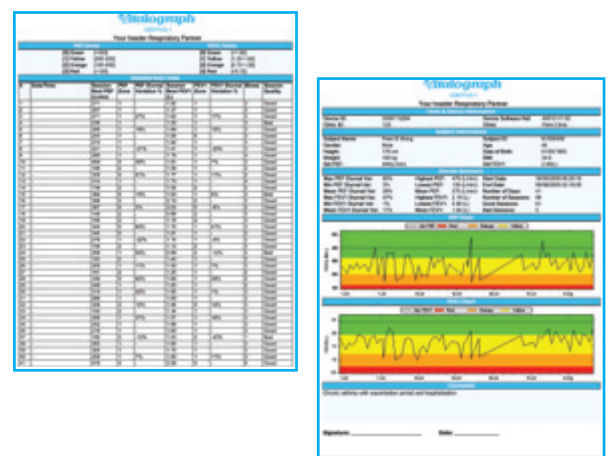
The Vitalograph lung monitor provides effective home monitoring of key lung function parameters for those with respiratory conditions including COPD, cystic fibrosis and transplant patients.

- Displays % of personal best FEV₁
- Colour zones indicate the personal best FEV₁
- Stores 200 test sessions
- Automatically assesses test quality
- Quality of blow indicator
- Easy to clean mouthpiece and flowhead



Vitalograph reports

Easy to use report generation software produces high quality reports for printing and storing based on patient demographics.



Consumables

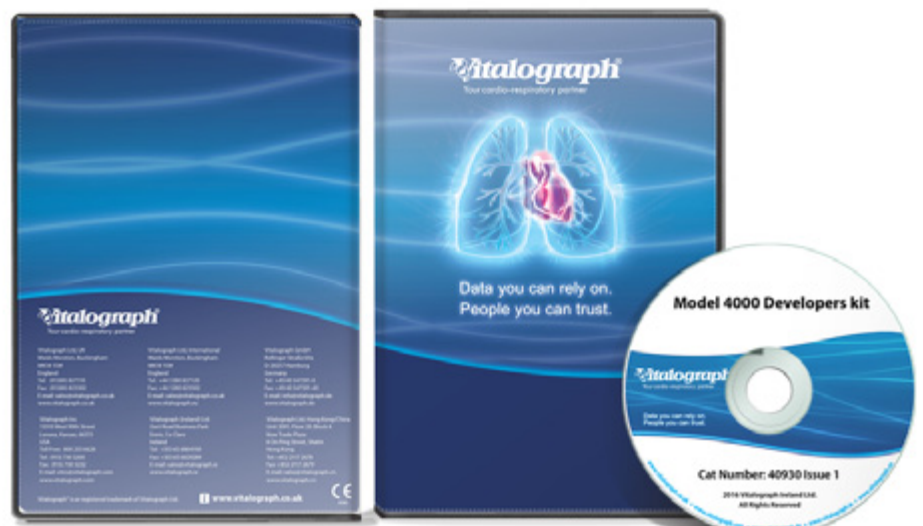
Can be used with hygienic SafeTway® mouthpieces or bacterial a viral filters (BVF™)



Developers' Kit

A Developers' Kit is available for providers of e-Diary, home hubs and telemedicine solutions.

All Vitalograph USB and Bluetooth devices satisfy relevant international standards - reference Technical Specification for details.



Technical Specification:

Product: Respiratory Monitor

Model Number: 4000

Parameters Displayed can include (depending on variant): PEF, FEV₁, FEV₆, FEV₁ / FEV₆ ratio and FEF₂₅₋₇₅

Memory can include (depending on variant): PEF, FEV₁, FEV₆, FEV₁ / FEV₆ ratio and FEF₂₅₋₇₅

Quality of Blow Indicator: Yes

Accuracy: better than +/-3%

Range: 0 - 9.99 L BTPS

Sensor: Stator rotor

Flow Impedance: Better than 0.15 kPa/L/s at 14 L/s

Power Supply: AAA batteries

Display: Custom liquid crystal display

Size: 113 x 63 x 48mm

Weight: 55g

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

Safety Standards: IEC 60601-1:2005

Designed & Manufactured Under: EU Medical Devices Directive 93/42/EEC (as amended), ISO13485:2003, FDA 21CFR820, CMDR

Respiratory Monitors Supplied With:

Supplied with Vitalograph Reports Software (USB & bt models), 3 SafeTway mouthpieces, carry pouch, guide for healthcare professionals and batteries

Ordering Info:

asma-1

- 40000** 4000 Respiratory Monitor asma-1
- 40065** 4000 Respiratory Monitor asma-1 Child
- 40400** 4000 Respiratory Monitor asma-1 USB
- 40300** 4000 Respiratory Monitor asma-1 bt

copd-6

- 40200** 4000 Respiratory Monitor copd-6
- 40450** 4000 Respiratory Monitor copd-6 USB
- 40350** 4000 Respiratory Monitor copd-6 bt

lung monitor

- 40550** 4000 Respiratory Monitor lung monitor
- 40700** 4000 Respiratory Monitor lung monitor USB
- 40750** 4000 Respiratory Monitor lung monitor bt

lung age

- 40500** 4000 Lung Age

Consumables

- 20242** 2024 SafeTway® mouthpieces (200)
- 20980** 2024 SafeTway® mini mouthpieces (50)
- 20303** 2030 Noseclips disposable (200)

Developers Kit

- 40426** 4000 Developers Kit

Includes: CD containing Device API and Vitalograph Reports, Bluetooth Dongle and Driver CD, License Agreement (please refer to Vitalograph Respiratory Monitors Developers' Kit brochure for choice)

Vitalograph is a world leading provider of outstanding quality cardio-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.

4000 Respiratory Monitors

Variant	PEF	FEV ₁	FEV ₆	FEV ₁ Ratio	FEF 25-75%	FEV 0.5/0.75	Lung Age	Memory	Personal Best	GOLD	PDF Reports	Import data to SpV
asma-1™	●	●	○	○	○	○	○	600	●	○	○	●
asma-1 child version	●	●	○	○	○	●	○	600	●	○	○	○
asma-1 USB, bt	●	●	○	○	○	○	○	600	●	○	●	○
copd-6™	○	●	●	●	○	○	●	○	○	●	○	○
copd-6 USB, bt	○	●	●	●	○	○	●	○	○	●	●	○
lung monitor	○	●	●	●	○	○	○	200	●	○	○	○
lung monitor-1 USB, bt	○	●	●	●	●	○	○	200	●	○	●	○
lung age	○	●	○	○	○	○	●	○	○	○	○	○

● Available ○ Not available

USB - USB bt - Bluetooth



Your cardio-respiratory partner

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