Vitalograph is a world leading provider of outstanding quality cardio-respiratory diagnostic devices, clinical trial services, audiometers 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.

Technical Specifications

Product: Respiratory Monitor
Model Number: 4000
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
Safety Standards: IEC 60601-1:2005

Respiratory Monitors Supplied With:
- Vitalograph Reports Software (USB & BT models), 3 SafeTway mouthpieces, carry pouch, guide for healthcare professionals and batteries

Ordering Info

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Available: o Not available: o

Vitalograph 4000 Series Respiratory Monitors & Screening Devices

Data you can rely on. People you can trust.
The Vitalograph® 4000 series of respiratory monitors are ideal for general screening of chronic respiratory disease within clinical trials and occupational health environments. The USB and Bluetooth® models make the monitoring of those with chronic respiratory conditions such as asthma, cystic fibrosis, COPD and post transplant patients easier than ever by providing low cost, highly accurate monitoring within the home.

Vitalograph has simple, effective and low cost solutions available for those engaged in home based respiratory studies or where home based monitoring is required for specific chronic lung conditions. Extensive experience in supporting home monitoring programmes for asthma, COPD, cystic fibrosis and post transplant patients make Vitalograph the ideal telemedicine partner. Bluetooth and USB models available for Apple IOS, Android, Qualcomm and Windows Applications.

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

- 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 patient management plan

Vitalograph asma-1 & asma-1 Child
Simple, effective asthma monitoring. The asma-1™ is a robust and low cost solution for the home monitoring of PEF and/or FEV1.

- Automatic assessment of test quality
- FEV1 less effort dependent
- Child versions: PEF, FEV1, FEV0.5 & FEV0.75
- asma-1 measures % of personal best for PEF & FEV1
- Stores 600 test sessions

Vitalograph Reports Software supplied with USB and Bluetooth models

Vitalograph lung monitor - for application developers

Extensive choice of transmittable parameters
PEF, Best PEF, PEF Personal Best, PEF %, FEV0.75, Best FEV0.75, FEV1, Best FEV1, FEV1 Personal Best, FEV1 %, FEV6, Best FEV6, FEV1/FEV6, Best FEV1/FEV6, FEF25-75, Best FEF25-75

Latest Bluetooth SMART technology
Enabling connectivity with Apple IOS, Android and Windows based platforms

Widest choice of display parameters
PEF, FEV1, FEV6, FEV1/FEV6, FEF25-75

Respiratory Monitors Developers’ Kit
Designed for providers of e-Diary, home hub and telemedicine solutions, the Device Application Programming Interface (API) Developers’ Kit includes Bluetooth® dongle, Vitalograph Reports Software, device API, license agreement, software code and access to our R&D Technical Support Hotline.

Post Software Development Monitor Configuration
Once the software development process is complete, customers can choose from a wide range of standard respiratory monitor configurations or request a quotation for a custom configuration.
The Vitalograph® 4000 series of respiratory monitors are ideal for general screening of chronic respiratory disease within clinical trials and occupational health environments. The USB and Bluetooth™ models make the monitoring of those with chronic respiratory conditions such as asthma, cystic fibrosis, COPD and post transplant patients easier than ever by providing low cost, highly accurate monitoring within the home.

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Bluetooth and USB models available for Apple IOS, Android, Qualcomm and Windows Applications.

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**Vitalograph** lung monitor

Effective home monitoring of key lung function parameters for those with respiratory conditions including COPD, cystic fibrosis and for post transplant patients.

- Displays include FEV1, FEV6, and ratio
- 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

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- 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 patient management plan

**Vitalograph Reports Software supplied with USB and Bluetooth models**

Data you can rely on. People you can trust

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**Vitalograph Reports Software** supplied with USB and Bluetooth models

Extensive choice of transmittable parameters
- PEF, Best PEF, PEF Personal Best, PEF %, FEV0.75
- Best FEV0.75, FEV1, Best FEV1, FEV1 Personal Best, FEV1 %, FEV6, Best FEV6, FEV1/FEV6, Best FEV1/FEV6

Latest Bluetooth SMART technology
Enabling connectivity with Apple IOS, Android and Windows based platforms

Wideest choice of display parameters
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**Vitalograph asma-1 Reports Software** supplied with USB and Bluetooth models

Data you can rely on. People you can trust

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asma-1
4000 asma-1
40065 4000 asma-1 Child
40400 4000 asma-1 USB
40300 4000 asma-1 BT
copd-6
40200 4000 copd-6
40450 4000 copd-6 USB
40350 4000 copd-6 BT
lung monitor
40150 4000 lung monitor
40170 4000 lung monitor USB
40175 4000 lung monitor BT
40372 4000 lung monitor BT SMART
lung age
40500 4000 lung age

Consumables
20242 2024 SafeTway® mouthpieces (200)
28501 2030 Eco BVF Bacterial Viral Filters (100)

Application Developer Resources
40373 lung monitor BT SMART

Note: If USB data transfer is required, developers can choose from any of the USB models listed

Developers’ Kit
40426 4000 Developers’ Kit
Includes: CD containing device API and Vitalograph Reports, Bluetooth dongle and driver CD, license agreement

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