

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 Guidelines 2005

Operating Temperature: 17 - 37 °C

Management Zones (in some variants)

Safety Standards: IEC 60601-1:2005

Medical Safety Standard:

Medical Devices Directive 93/42/EEC

Designed & Manufactured Under:

ISO 13485:2003, FDA 21CFR820 & CMDR

Ordering Info:

asma-1

40421 4000 Respiratory Monitor asma-1 Developer's Kit usb, s and bt

40000 4000 Respiratory Monitor asma-1

40400 4000 Respiratory Monitor asma-1 usb

40050 4000 Respiratory Monitor asma-1 s

40300 4000 Respiratory Monitor asma-1 bt

In Packs of 5

40447 4000 Respiratory Monitor asma-1 usb

40051 4000 Respiratory Monitor asma-1 s

40320 4000 Respiratory Monitor asma-1 bt

copd-6

40422 4000 Respiratory Monitor copd-6 Developer's Kit usb, s and bt

40200 4000 Respiratory Monitor copd-6

40450 4000 Respiratory Monitor copd-6 usb

40850 4000 Respiratory Monitor copd-6 s

40350 4000 Respiratory Monitor copd-6 bt

In Packs of 5

40498 4000 Respiratory Monitor copd-6 usb

40851 4000 Respiratory Monitor copd-6 s

40370 4000 Respiratory Monitor copd-6 bt

lung monitor

40423 4000 Respiratory Monitor lung monitor Developer's Kit usb, s and bt

40550 4000 Respiratory Monitor lung monitor

40700 4000 Respiratory Monitor lung monitor usb

40950 4000 Respiratory Monitor lung monitor s

40750 4000 Respiratory Monitor lung monitor bt

In Packs of 5

40748 4000 Respiratory Monitor lung monitor usb

40951 4000 Respiratory Monitor lung monitor s

40770 4000 Respiratory Monitor lung monitor bt

Consumables

20242 2024 SafeTway® mouthpieces (200)

20980 2024 SafeTway® mini mouthpieces (50)

20303 2030 Noseclips disposable (200)

4000 Respiratory Monitors

Variant	PEF	FEV ₁	FEV ₆	FEF 25-75%	Ratio	Lung Age	Memory	Personal Best	GOLD	PDF Reports
asma-1™	●	●	○	○	○	○	600	●	○	○
asma-1 usb, s, bt	●	●	○	○	○	○	600	●	○	●
copd-6™	○	●	●	○	●	●	○	○	●	○
copd-6 usb, s, bt	○	●	●	○	●	●	○	○	●	●
lung monitor	○	●	●	○	●	○	200	●	○	○
lung monitor usb, s, bt	○	●	●	●	●	○	200	●	○	●
lung age	○	●	○	○	○	●	○	○	○	○

● Available ○ Not available

usb - USB s - Serial bt - Bluetooth



Your respiratory partner

UK Sales
Vitalograph Ltd.
Maids Moreton Buckingham
MK18 1SW England
Tel: 01280 827110
Fax: 01280 823302
e-mail: sales@vitalograph.co.uk
www.vitalograph.co.uk

Export Sales
Vitalograph Ltd.
Maids Moreton Buckingham
MK18 1SW England
Tel: +44 1280 827120
Fax: +44 1280 823302
e-mail: sales@vitalograph.co.uk
www.vitalograph.eu

Vitalograph GmbH
Rellinger Straße 64a
20257 Hamburg
Germany
Tel: (040) 547391-0
Fax: (040) 547391-40
e-mail: info@vitalograph.de
www.vitalograph.de

Vitalograph Inc.
13310 West 99th Street
Lenexa
Kansas 66215 USA
Tel: (913) 888 4221
Fax: (913) 888 4259
e-mail: vitcs@vitalograph.com
www.vitalograph.com

Vitalograph (Ireland) Ltd.
Gort Road Business Park
Ennis
Co Clare Ireland
Tel: (065) 6864100
Fax: (065) 6829289
e-mail: sales@vitalograph.ie
www.vitalograph.ie



the difference is clear

Vitalograph USB, Serial & Bluetooth Respiratory Monitors

Affordable, portable & versatile telehealth innovations



Your respiratory partner

Vitalograph USB, Serial & Bluetooth Respiratory Monitors

The Vitalograph range of USB, Serial 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 respiratory monitoring and screening devices are ideal for use 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.

These devices monitor a range of parameters including PEF, FEV₁, FEV₆, FEF₂₅₋₇₅, FEV₁/FEV₆ ratio and can store 200-600 test sessions in the memory. In some units it is possible to enter subject demographics including age, height, weight and gender. The time and date of sessions are recorded and the device ID and software version is logged.

Vitalograph asma-1 usb, serial & bluetooth

For the home monitoring of asthma

Vitalograph asma-1™ is a simple to use electronic peak flow meter that measures PEF and FEV₁.



Vitalograph copd-6 usb, serial & bluetooth

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.



Vitalograph lung monitor usb, serial & bluetooth

For the home monitoring of FEV₁, FEV₆, FEV₁/FEV₆ & FEF₂₅₋₇₅%

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.



Data transmission using the Vitalograph range of USB, Serial & Bluetooth enabled respiratory devices is simple:

- ❖ Select your device - USB, Serial or Bluetooth version
- ❖ Add subject name and ID or pair with your receiving equipment
- ❖ Transmit test/session data along with demographics, device ID, time, date to one of the following receivers:



PDA



Laptop/PC



Mobile



Home Hub

Developer's Kit

For providers of e-Diary, home hubs and telemedicine solutions Device Application Programming Interface (API) Developer's Kits are available and include USB, Serial and Bluetooth comms devices, dongle, cables, Vitalograph Reports Software, device API, software code and access to the R&D Technical Support Hotline.

All Vitalograph USB, Serial and Bluetooth devices satisfy relevant international standards including ATS/ERS:2005, ISO 26782:2009, ISO 23747:2007, EN 13826:2003, MDD 93/42/EEC/1993 Medical Devices and are Manufactured to ISO 13485:2003, FDA 21 CFR820, CMDR and JPAL



To request your low cost Developer's Kit

call 01280 827110 or email sales@vitalograph.co.uk

indicating your preference for asma-1, copd-6 or lung monitor Developer's Kit.