

Vitalograph USB, Serial & Bluetooth Respiratory Monitors



the difference is clear

Vitalograph USB, Serial & Bluetooth Respiratory Monitors

Affordable, portable & versatile
telehealth innovations



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 & 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.



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:



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 - reference Technical Specification for details.

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.



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

Ordering Info:

asma-1

40421 asma-1 Developer's Kit USB, s and bt

40424 asma-1 Developer's Kit including 3 bt

40000 4000 Respiratory Monitor asma-1

40065 4000 Respiratory Monitor asma-1 Child

40400 4000 Respiratory Monitor asma-1 USB

40050 4000 Respiratory Monitor asma-1 s

40300 4000 Respiratory Monitor asma-1 bt

copd-6

40422 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

lung monitor

40423 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

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

● Available ○ Not available

USB - USB bt - Bluetooth s - Serial



Your respiratory partner

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