

Technical Specification:

Product: Vitalograph asma-1
 Vitalograph asma-1 usb
Model Number: 4000
Parameters Displayed: PEF & FEV₁
Memory: 600 PEF and FEV₁
Quality of Blow Indicator: Yes
Accuracy: FEV₁ better than +/-3%
 PEF better than +/-5%
Range Volume: FEV₁ 0 - 9.99 L BTPS
Range Flow: PEF 25 – 840 L/min
Sensor: Stator-rotor mass flow meter
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 23747:2007
 ATS/ERS Guidelines: 2005
Operating Temperature: 17 - 37 °C
Management Zones: Factory set 3 zones
 Green/Yellow threshold 80% Yellow/Red
 threshold 50% Zones may be changed by the
 user and number of zones increased to 4
Safety Standards: IEC 60601-1:2005
Medical Safety Standard: Medical Devices
 Directive 93/42/EEC
Designed & Manufactured Under:
 ISO 13485:2003, FDA 21CFR820, CMDR & JPAL

Ordering Info:

Catalogue No.
 40000 Vitalograph asma-1
 40400 Vitalograph asma-1 usb
 40050 Vitalograph asma-1 s
 40300 Vitalograph asma-1 bt
 40200 Vitalograph copd-6
 40550 Vitalograph lung monitor
 40500 Vitalograph lung age
 20242 SafeTway® mouthpieces (200)
 20980 Mini SafeTway® mouthpieces (50)
 28350 BVF (50)
 20303 Disposable noseclips (200)
 36020 3-L Precision syringe

4000 SERIES

	PEF	FEV ₁	FEV ₆	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 bt - Bluetooth s - Serial



the difference is clear

Vitalograph asma-1 range

Electronic asthma monitors



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 www.vitalograph.ie



Your respiratory partner

Vitalograph asma-1

Electronic Asthma Monitor

- Simple to use
- Electronic record – no need for record cards
- Automatically assesses test quality
- More accurate than a mechanical meter
- Patient can review past results at home
- Measures PEF and FEV₁
- FEV₁ has less diurnal variability and is less effort dependent
- Can display % of personal best for both PEF and FEV₁
- PEF and FEV₁ zones can be personalised
- Automatically stores best values
- Large, easy to read display
- Stores 600 test sessions
- Suitable for use in clinic with SafeTway® mouthpieces
- Uses long life AAA batteries
- Easy to clean mouthpiece and flowhead
- Language independent
- ISO 23747:2007 Peak Flow Meters
ATS/ERS: 2005 Spirometry Guidelines



The asma-1® comes complete with:

- Plastic mouthpiece
- Carry pouch
- Guide for the healthcare professional
- 2 AAA batteries

The asma-1 is very easy to use, simply:

- Blow for > 1 second
- Repeat blow 3 times
- Press 'Enter' to view best result
- Transmit result (on comms versions)

Vitalograph asma-1 usb

For the home monitoring of asthma with electronic and hard copy reports

The asma-1 usb links to your PC to produce PDF reports for archiving or printing. These reports include the following:

- Subject ID and name
- Age, height, gender and optional weight field
- Best PEF and FEV₁ fields automatically populated
- BMI calculated (from height and weight)
- Personal best FEV₁, PEF and zones as set in asma-1
- Indicates blow quality, number of blows and diurnal variation
- Device ID automatically transmitted with the data
- Ability to add comments to the report
- Trend graphs of FEV₁ and PEF
- Optionally separate graphs of am and pm sessions
- Information presented in tabular and graphical form
- Can automatically name the PDF file
- Time/date stamp for each session



Additional Report information

The following details are not stored on the model 4000 device. If you would like any of these details to be displayed on the generated report, please enter them now. (Otherwise, they shall not appear on the report)

Demographics

First Name	Initial	Date of Birth (dd/mm/yyyy)	Sex
John	EE	16 03 1978	Male
Last Name	Weight (kg)	Height (cm)	Device ID
Doe	75	175	123456789012345
Subject ID	Gender	Unit Measure	Report Type
123456789012345	Male	Imperial & US	Summary

Comments

Print Friendly Save Information Cancel Edit Custom Headers Continue >>



The asma-1 usb comes complete with:

- Reports Software & API/document CDs
- 4 disposable SafeTway mouthpieces and noseclips
- Plastic mouthpiece and carry pouch
- Guide for the healthcare professional
- USB cable and 2 AAA batteries

