

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.

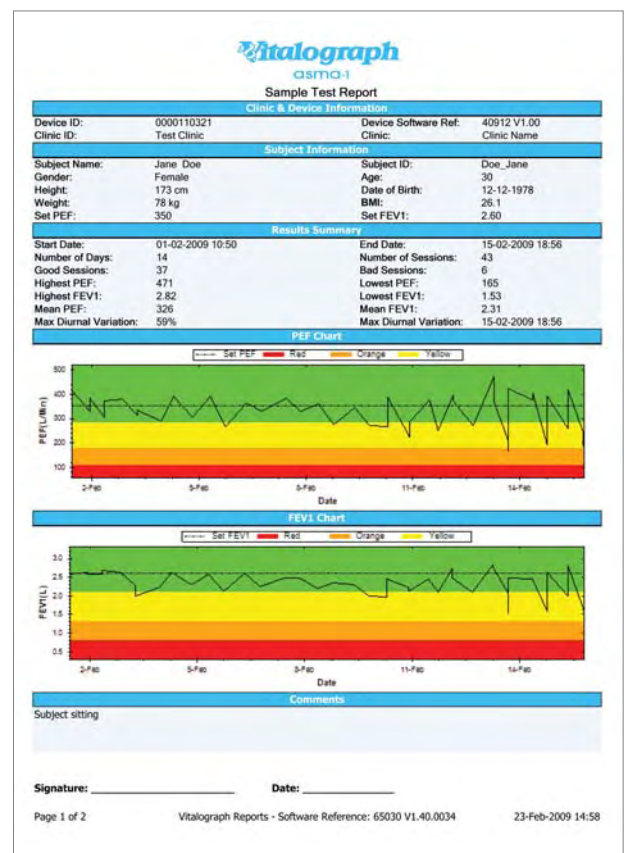
Demographics		Clinic	
First Name: John	Initial: EE	Date of Birth: dd/mm/yyyy: 16/09/1975	Clinic ID: 123456789012345
Last Name: Doe	Weight (kg): 75	Height (cm): 175	Clinic: _____
Subject ID: 123456789012345	Gender: Male	Unit Measure: <input type="radio"/> Imperial / US <input checked="" type="radio"/> Metric	Report Type: <input checked="" type="radio"/> All <input type="radio"/> Summary
Comments: _____		Graph AM/PM: <input type="radio"/> Together <input checked="" type="radio"/> Separate	

Printer Friendly Save Information



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



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

Vitalograph®

Your respiratory partner

ECOMED

Serving The HealthCare Industry

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