

the difference is clear

# Vitalograph asma-1

## The world's best electronic asthma monitor

- ❖ Measures FEV<sub>1</sub> as well as peak flow
- ❖ Simple to use
- ❖ Large, easy to read display
- ❖ Electronic record – no need for record cards
- ❖ Stores data with date and time stamp
- ❖ Automatically assesses test quality
- ❖ Quality of blow indicator
- ❖ More accurate than a mechanical meter
- ❖ FEV<sub>1</sub> has less diurnal variability and is less effort dependant
- ❖ PEF/FEV<sub>1</sub> zones can be personalised
- ❖ Stores 600 test sessions
- ❖ Detachable flow head makes cleaning simple
- ❖ Suitable for multi-subject use with standard size SafeTway<sup>®</sup> mouthpieces
- ❖ Uses long life AAA batteries
- ❖ Multi-lingual (symbols)
- ❖ ATS/ERS compliant

Vitalograph is the world's leading provider of outstanding respiratory diagnostic, screening and monitoring devices. With a heritage of excellence spanning half a century, Vitalograph continue to make pioneering contributions to effective respiratory care and enhanced quality of life.





## Technical Specification:

**Product:** Vitalograph asma-1  
**Model Number:** 4000  
**Parameters Displayed:** PEF and FEV<sub>1</sub>  
**Memory:** 600 PEF and 600 FEV<sub>1</sub>  
**Quality of Blow:**  
**Indicator:** Yes  
**Accuracy:**  
**FEV<sub>1</sub>:** better than +/-3%  
**PEF:** Better than +/- 5%  
**Range Volume:** 0 - 9.99 L BTPS  
**Flow:** 0 - 999 L/min 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 48 mm  
**Weight:** 55g  
**Performance Standards:** ISO EN 13826:2003  
**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:** EN ISO 60601-1:2005 -1 -2 -4  
**Medical Safety Standard:** Medical Devices Directive 93/42/EEC1993  
**Designed & Manufactured Under:** ISO 13485:2003, FDA 21CFR820, CMDR & JPAL

## Ordering Info:

**Catalogue No.**  
40000 Vitalograph asma-1  
20242 SafeTway® mouthpieces (200)  
20980 Mini SafeTway® mouthpieces (50)  
20303 Noseclips (200)

**Vitalograph Ltd.**  
Maids Moreton  
Buckingham  
MK18 1SW England  
Tel: +44 (0) 1280 827110  
Fax: +44 (0) 1280 823302  
E-mail: sales@vitalograph.co.uk

**Vitalograph GmbH.**  
Jacobsenweg 12  
22525 Hamburg  
Germany  
Tel: (040) 547391-0  
Fax: (040) 547391-40  
E-mail: info@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

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

