

... the PEF/FEV₁ Diary

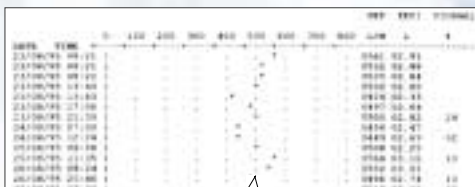
... the Vitalograph Electronic PEF/FEV₁ Diary is a pocket size unit for accurate, regular lung function data collection. As well as PEF it incorporates FEV₁ for much more sensitive monitoring of airflow obstruction. FEV₁ is increasingly important in the management of COPD (chronic obstructive pulmonary disease).



Small and discrete, perfect for use in the surgery, at home or in the work place.

... this **feature packed hand-held unit** is ideally suited for:

- ▼ use at home and in physicians office - asthma monitoring
- ▼ clinical research - fully programmable set-up
- ▼ occupational health - analysing work place effects
- ▼ hospitals - specialist departments and outpatients
- ▼ customisation for clinical trials, contact Vitalograph

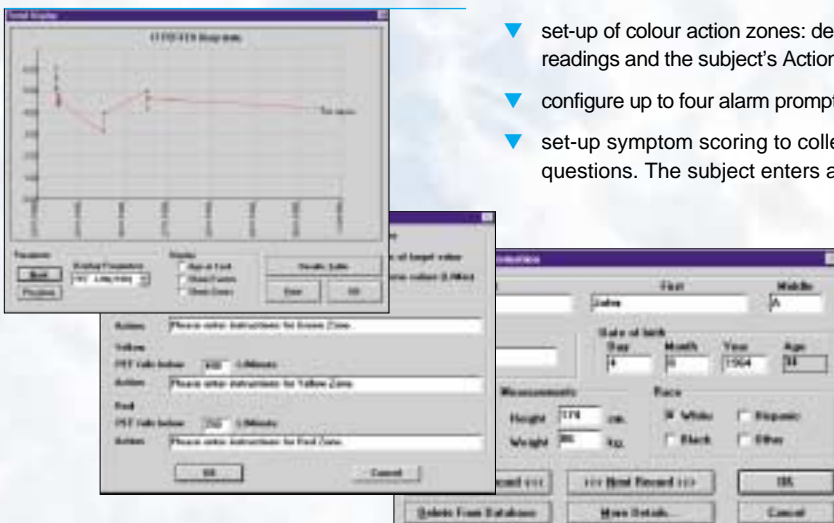


Retrieve results from the PEF/FEV₁ Diary simply by downloading directly to a full page printer. Results are printed instantly in a tabulated and trend graph format.

... the optional Microsoft® Windows™ based software available for the **PEF/FEV₁ Diary** is **ideal for the busy professional**

Configure the PEF/FEV₁ Diary and download data for interpretation on your PC:

- ▼ easy to enter subject demographics, with functions to help organise subject records as well as extra information such as subject smoking habits and occupational exposures
- ▼ set-up of colour action zones: defining the ranges (defined as a colour zones) of readings and the subject's Action Plan
- ▼ configure up to four alarm prompts within a 24 hour period to aid subject compliance
- ▼ set-up symptom scoring to collect information by asking the subject up to 6 questions. The subject enters a score in response to each of the questions
 - ▼ set-up events to be marked in the diary, such as separate inhaler usage
 - ▼ trending of results giving an instant view of:
 - age at test or date of test
 - events
 - colour zones
 - variation as a % of predicted values
 - parameters you wish to trend



... the PEF/FEV₁ Diary

Features ...

- ▼ stores 360 tests - removing the need for frequent surgery visits
- ▼ 550 test extended memory option - please contact Vitalograph with your requirements
- ▼ has 4 optional alarm prompts - to encourage subject compliance
- ▼ includes symptom scoring for up to 6 questions - giving an overall view of your subject's condition
- ▼ records up to 6 different types of event markers with labels
- ▼ configure directly or from PC - the many options include unique subject ID, units, formats and altitude options
- ▼ displays peak flow zones - for self management of asthma, made easier with the Action Plan label on the rear of the unit
- ▼ uses a replaceable flowhead for complete hygiene
- ▼ time and date stamps tests for data trending - ensuring useful and accurate data at the end of a test period
- ▼ number of blows/session stored against each test
- ▼ number of blows per session recorded with 'best' test
- ▼ test QA including reproducibility and good/poor session on time-to-peak

Technical Specifications ... Model 2110

Symbols	<input type="checkbox"/> Class II Equipment
	<input type="checkbox"/> Type BF Equipment
Flow detection principle ..	Pressure sensing across resistive mesh.
Back pressure	Meets ATS and ERS requirements for Back Pressure
Volume measurement	Flow integration
Maximum recorded flow rate ..	.999 L/Min
Maximum recorded volume ..	.9.99 Litres
Measuring accuracy	+/- 3% or +/-0.05L volume whichever is greater and +/-10% flow or +/-20L/min whichever is greater
QA test criteria	- reproducibility between blows - time to peak flow - FEV ₁ recorded only if 1 second - FEV ₁ automatic correction for slow start of test

Operating temperature .....	.15-35°C
Safety standards .....	.Certified to conform to EN60601-1
Spirometric standards .....	.ATS and ERS
Power supply .....	.Primary Battery: Alkaline battery, 9V, PP3 (MN1604) (Recommended battery capacity = 550 mAh or greater)
Dimensions .....	.145mm x 70mm x 87mm
Weight .....	.147g (without PP3 battery)
Storage .....	.Temperature : 0-50°C Relative Humidity : 10%-95%

PEF/FEV₁ Software System Requirements

PC running Windows™

Ordering Information ...

Intelligent Printer Cable .....	.2110505
Flowheads (10) .....	.2110200
PC Software .....	.73302
Hydrophilic Filters (20) .....	.2110201
Action Plan Labels 4/3 zone (25) .....	.2110203/4
Serial cable and adaptor (for downloading to PC) ..	.2110510
SafeTway Mouthpieces (Box of 200) .....	.20242
Mini SafeTway Mouthpieces (50) .....	.20980
Long SafeTway Mouthpieces (130) .....	.20991
Plastic Mouthpieces (150) .....	.43104

Single Use Disposable *SafeTway*® mouthpieces ...



Designed to prevent cross-infection during pulmonary function testing, it has a one-way valve to prevent subjects accidentally breathing in through the spirometer.

from Vitalograph®

... the spirometry people



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