the difference is clear

Vitalograph In2itive

For high quality spirometry on the move

Vitalograph®

Your respiratory partner

High quality mobile spirometry with PC and network connectivity

Vitalograph In2itive™ combines the benefits of full spirometry, data integration and mobility in a small lightweight handheld spirometer. Robust Fleisch flow measuring technology and a simple icon driven menu, plus a large, high resolution colour touch-screen and storage capacity for 10,000 subjects, makes In2itive the ideal solution for high quality spirometry on the move.

Manual entry of subject data is optional as In2itive makes it possible to select all subject data from Spirotrac and download it automatically – saving time and eliminating data entry errors.
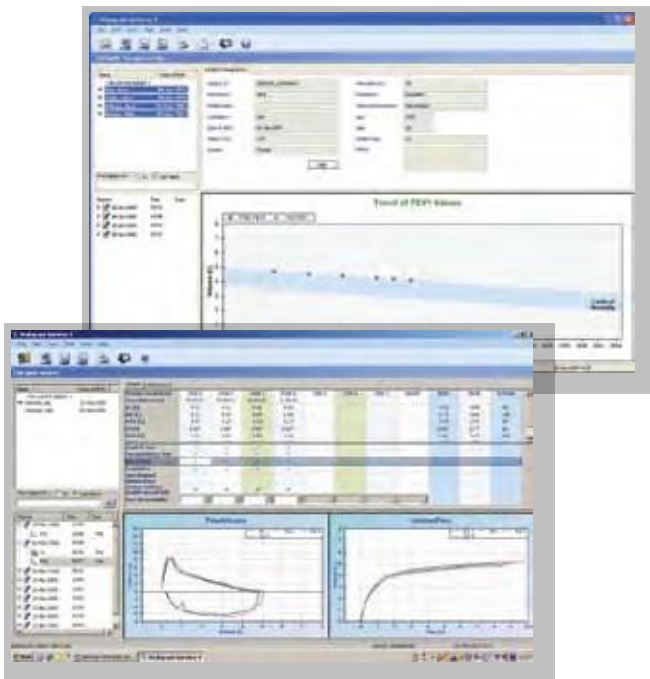

The In2itive features:

A Cradle for battery charging, connection to a PC and automatic data exchange saving time and eliminating errors

A Assured hygiene with removable flowhead, SafeTway mouthpieces or BVF Bacterial/Viral Filters

A Hours of battery life for a full day of off-site testing

A Over 50 test parameters

A Pre-post bronchodilator comparison

A Single and multi-breath

A F/V or V/T curves viewable in real time

A Choice of child incentives with sound effects

A Remote flowhead option enables the subject to view incentives while performing the test

A Icon driven menus

A Print via your PC or via Spirotrac or print direct to a USB A4/Letter size printer using optional printer cradle

A Range of accessories and robust carrying case

Enjoy the convenience of extensive connectivity via Spirotrac PC Spirometry Software

Vitalograph Spirotrac® Software combines the power of your Windows® PC and your network, providing long-term storage of spirometry data, with test results being tracked and trended over time, to create a powerful disease management tool.

By placing the In2itive in its cradle, all off-site sessions can be automatically transferred to, and synchronised with, Spirotrac. This enables full connectivity to your PC, your network and your Practice Management System.

This powerful connectivity capability offers:

A Automatic upload of subject data and download of test data

A Trending of actual and normal range data over the lifetime of a subject

A Fully scalable database using MS SQL server technology

A Connectivity to EMIS® & other Practice Management Systems

A The built-in GDT communications standard allows any software system to link to Spirotrac

A Links to Vitalograph Over-Read enabling Quality Assured Spirometry

Spirometry report print options:

A Print via your PC using the Spirotrac software or with Vitalograph Reports or print direct via USB A4/Letter size printer using optional printer cradle

A Spirometry reports, accuracy reports, trending reports and customisable reports

Technical Specification:

Product Name: Hand Held Spirometer

Model No: 2120

Subjects: Automatic population of database from Spirotrac. Name, ID; Age, Height, Gender; Smoking status, Body Mass Index and more depending on model. Storage of up to 10,000 subjects

Environmental Data: Selectable: Temperature (built in sensors), Barometric pressure, altitude, humidity

Test types: Single breath tests, flow/volume loops, multi-breath testing, tidal breathing and combined VC/FVC type test methods supported

Selectable Parameters (depending on model): VC; IVC; IC; VT (TV); TLC; RV; IRV; ERV; FRC; FVC; FIVC; FEV1; FEV3; FEV6; FVC; FEV1/VC; FEV1/FVC; FEV3/VC; FEV3/FVC; FEV1/FEV6; FEF75; FEF50; FEF25; FEF25-75; FEF25-75/FVC; FIV1; PIF, FIV1/ FIVC, FIF25, FIF50, FIF75, FEF50/FIF50, FET, MVVind, FEV1 Ratio; FEV0.5; PEF L/min; PEF L/s; FEF 0.2-1.2; FEF 75-85%; FEF25%; FEF50%; FEF75%; FMFT; FIF25%; FIF50%; FIF75%; PIF; FEV0.75; Lung Age and more

Predicted Values Selectable (depending on model): ERS/ECCS; NHANES, Polgar, Pereira, Berglund, Forsche, Gutierrez, Hedenström, Taiwan; Knudson, Crapo; Hsu; KNLW; Viljanen; SEPAR; Gulsvik; SBPT; Tamura; Ip; Quanjer; Wang; Dockery and more

Suggested Interpretation: User selectable

Flow Technology: Fleisch Pneumotachograph (No3 size)

Resolution: 10 mL volume; 0.01 L/s flow

Data Storage: Stores up to 10,000 subjects and hundreds of test sessions

Accuracy when in Operating Range: Volumes: Better than ±3% (Max 10L / Min 0L); Flows: Better than ± 10% (Max 16L/s / Min 0.02L/s); Linearity: ± 5% in range 0.1 L/s to 16 L/s

PowerSAFE™: Input 100 - 240V AC 50-60Hz, output 5V DC

Battery Pack: Rechargeable Lithium Polymer 3.7v 2000mAH

Dimensions: Device: 160mm x 100mm x 45mm (with flowhead attached)

Nett Weight: Device: 230g

Gross Weight and Size (Packed): Weight: 1.5kg, Packed Size: 213mm x 199mm x 158mm

Storage Humidity: 10% to 95%

Storage Temperature: 0°C to 50°C

Recommended Operating Temperature Range: 17 - 37°C; Design Limits 10-40°C

Ambient Humidity: 0% to 99%

Connectivity: USB 2

Max Test Duration: 20s FVC; 30s VC

Performance Standards: ISO 26782:2009; ISO 23747:2007; ATS/ERS 2005

Safety Standards: IEC 60601-1:2005

Medical Safety Standard: Medical Devices Directive 2007/47/EC

Designed & Manufactured Under: ISO 13485:2003, FDA 21CFR820, CMDR

Vitalograph is a world leading provider of outstanding quality respiratory diagnostic devices, clinical trial services and medical equipment servicing. With a pioneering heritage of excellence spanning half a century Vitalograph continues to make valuable contributions to effective medical care and enhanced quality of life.

Ordering Info:

79000 2120 Hand Held In2itive with USB PC Cradle and Spirotrac software

79300 2120 Hand Held In2itive with USB Printer Cradle

79400 2120 Hand Held In2itive Lite with Vitalograph Reports software

89001 8900 Vitalink™ for EMIS

14002 Half Day Operator Training

36020 2040 Precision Syringe 3-L

28350 2820 BVF™ bacterial/viral filters (50)

20242 2024 SafeTway® mouthpieces (200)

20980 2024 SafeTway® mini mouthpieces (50)

20303 2030 Noseclip disposable (200)