

VITALOGRAPH IN2ITIVE

For high quality spirometry on the move



A Global Leader in Respiratory Diagnostics

In2itive

High quality mobile spirometry with PC and network connectivity

The Vitalograph In2itive™ combines the benefits of full spirometry, data integration and mobility in a small lightweight handheld spirometer ideal for use in diagnosing and monitoring respiratory conditions in general healthcare and occupational health. 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 the In2itive the ideal solution for high quality spirometry on the move.

Manual entry of subject data is optional as the 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:

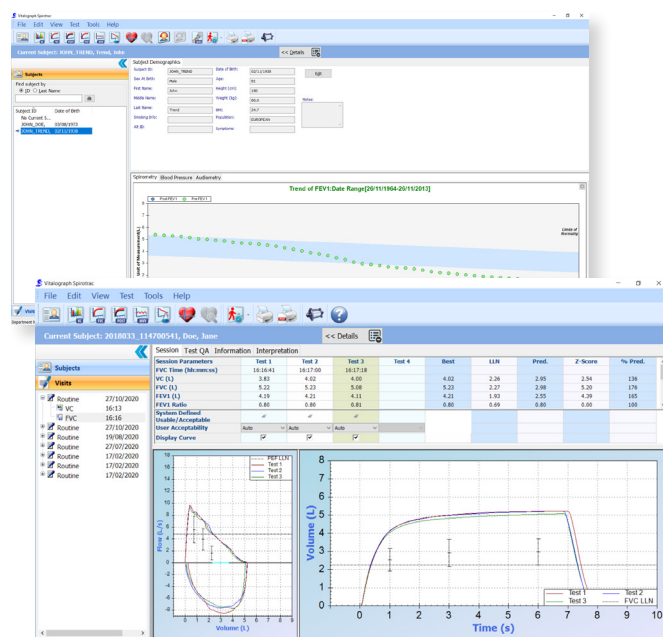
- Cradle for battery charging, connection to a PC and automatic data exchange saves time and eliminates errors
- Assured hygiene with removable flowhead and recommended use of BVF Bacterial/Viral Filters
- Hours of battery life for a full day of off-site testing
- Over 50 test parameters
- Pre-post bronchodilator comparison
- Single and multi-breath technique supported
- F/V or V/T curves viewable in real time
- Choice of child incentives with sound effects
- Remote flowhead option enables the subject to view incentives while performing the test
- Icon driven menus
- Print via your PC or via Spirotrac or print direct to a USB A4/Letter size printer using optional printer cradle
- Range of accessories and robust carrying case are available



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 Practice Management, Hospital Information or Occupational Health system using standard protocols.

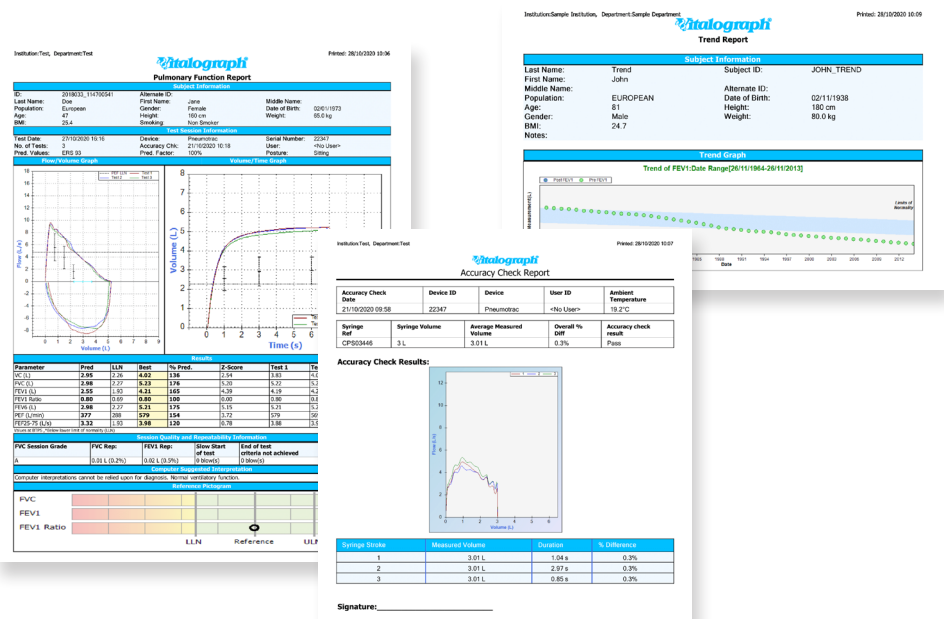


This powerful connectivity capability offers:

- Automatic upload of subject data and download of test data
- Trending of actual and normal range data over the lifetime of a subject
- Fully scalable database using MS SQL server technology
- Connectivity to EMR & Practice Management Systems
- The built-in GDT and HL7 communications standard allows many software systems to link to Spirotrac

Spirometry report print options:

- 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
- Customisable Spirometry test reports, calibration verification and trending reports available



Technical Specifications

Product Name: In2itive Handheld 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):

GLI, 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

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 $\pm 2.5\%$ (Max 10L / Min 0L); Flows: Better than $\pm 5\%$ (Max 16L/s / Min 0.02L/s); Linearity: $\pm 5\%$ 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

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 23747:2015; Accuracy performance: ATS/ERS 2019

Medical Safety Standard: Medical Devices Directive 93/42/EEC

Designed & Manufactured Under:

ISO 13485, FDA 21CFR820

Ordering Info:

2120

Hand held In2itive Spirometer with Vitalograph Reports software

2120

Hand held In2itive Spirometer with 7000 Spirotrac Software

36020

2040 Precision Syringe 3-L

28554

Eco BVF with Bite Lip (75)

28553

Eco BVF with Bite Lip + Disposable Nose Clip (75)

28501

Eco BVF - Bacterial/Viral Filters (100)

28572

Eco BVF - Bacterial/Viral Filters + Disposable Nose Clip (80)

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