

In2itive Spirometer

A powerful and versatile respiratory diagnostics solution with wireless bi-directional EMR connectivity, enabling detailed, point-of-care spirometry testing wherever it is needed.



A Global Leader in **Respiratory Diagnostics**

vitalograph.com

Point-of-care spirometry – an essential element of respiratory health management

Spirometry enables measuring the effect of a disease on lung function, assessing airway responsiveness, monitoring disease course or the result of therapeutic interventions, assessing preoperative risk, and determining a prognosis for many pulmonary conditions¹.

Point-of-care testing allows the performance of a test in the immediate vicinity of a patient, providing rapid results. Simple and non-invasive, point-of-care spirometry testing is suitable for multiple healthcare settings, outside the conventional laboratory environment.

Conditions that benefit from point-of-care spirometry testing include:

[COPD](#) | [Respiratory Tract Infections](#) | [Lung Cancer](#) | [Asthma](#) | [Many other respiratory-related conditions](#)

Powerful spirometry in the palm of your hand for accurate and connected testing, wherever it is needed.

The In2itive™ delivers detailed point-of-care spirometry that is compliant with ATS/ERS 2019 standards for accuracy and test quality.

Ideal throughout secondary care, the In2itive has an easy-to-navigate interface and can store more than 10,000 tests. Its robust, detachable flowhead is suited to a variety of testing scenarios. A large touch screen enables the clinician to actively coach the patient during testing and to give real-time feedback on effort and test quality.

Bi-directional EMR connectivity continuously synchronises respiratory assessment needs and spirometry results, to maximize the efficiency of healthcare decisions.



Multiple testing options

Test Modules	Description	Parameters*	Onscreen Graphs
Forced Vital Capacity	The total volume of air that can be exhaled during a maximal forced expiration effort.	FVC, FEV₁, FEF₂₅₋₇₅, PEF, etc	<ul style="list-style-type: none"> • Bar Chart • Volume / Time
Vital Capacity	The total volume of air that can be exhaled during a normal expiration effort.	VC, IC, IVC, TV	<ul style="list-style-type: none"> • Flow / Volume / Time, • Volume / Time
Bronchodilator Responsiveness Testing	Determines the degree of improvement of airflow in response to bronchodilator administration as measured by changes in FEV ₁ and FVC.	VC, FVC, FEV₁, FEF₂₅₋₇₅, PEF, etc	<ul style="list-style-type: none"> • Pre-Post Flow / Volume / Time, • Pre-Post Volume / Time

Powerful, versatile, connected

Exceptional test accuracy

- Features robust V-Core flowhead measuring technology which offers spirometry testing that is accurate, repeatable, easy to use, and safe.
- ATS/ERS 2019 accuracy compliant.

Seamless Connectivity

- Bi-directional data exchange EMR connectivity including HL-7 and GDT.
- Device connectivity options including wireless and USB.
- PDF reporting software included.

Hygienically Efficient

- Low running costs: no costly disposable sensors, turbines, or flow tubes.
- Single-use Vitalograph Bacterial Viral Filters (BVF™) with validated cross-contamination efficiency >99.999% protects device, patient, and operator.

Easily Interpreted Results

- Fast evaluation of results with %Predicted comparison, LLN and Z scores.
- Latest GLI predicted sets.
- Real-time flow/volume onscreen graphics.
- Instant test quality feedback.

Testing Versatility

- Long-life rechargeable battery.
- Memory capacity for more than 10,000 test.
- Connected or detached flowhead.
- Lightweight and handheld.



Be free to help your patients perform spirometry



The In2itive has an integrated V-Core™ flowhead, allowing you to focus on helping your patients achieve their best spirometry test, confident that you are capturing accurate and reproducible results.

V-Core Flowhead Technology is:

- Accurate
- Repeatable
- Robust
- Safe
- Comfortable

2019
ATS/ERS
Spirometry Technical
Standards
Compliance

Technical Specifications

Product: Vitalograph In2itive

Flow detection principal: Fleisch type pneumotachograph

Volume accuracy: +/- 2.5%

Flow accuracy: ±10% or ±10L/min of the reading (ISO 23747:2015)

Performance standards: ATS/ERS 2019, ISO 23747:2015 & ISO 26782:2009

Safety standards: EN 60601-1:2006 +A1:2013 +A2:2021

QA/GMP standards: EN ISO 13485, FDA 21 CFR 820, CMDR SOR/98-282 & Japan's PMD Act

Dimensions: 186mm x 81mm x 48mm

Weight: 300g

Communications: USB 2.0 & Wi-Fi

Power Supply: 5V, 2A DC power supply 3, 7V, 2Ahr Lithium Polymer battery

Parameters measured: EVC, IVC, FRC, VC, FVC, FIVC/ FVC, FEV_{0.5'}, FEV_{0.5'}/FVC, FEV_{0.75'}, FEV_{0.75'}/FVC, FEV₁, FEV₁R, FEV₁/VC, FEV₁/EVC, FEV₁/FVC, FEV₁/FIVC, FEV₁/FEV₆, FEV₁/PEF, FEV₃, FEV₃/VC, FEV₃/FVC, FEV₆, PEF L/s, PEF L/min, FEV_{25'}, FEV_{50'}, FEV_{75'}, FEV_{0.2-1.2}, FEV_{25-75'}, FIV₁, FIV₁/FVC, FIV₁/FIVC, PIF L/s, PIF L/min, FIF_{25'}, FIF_{50'}, FIF_{75'}, FEF_{50'}-FIF_{50'}, MVVind, FMFT, FET, FRC, TV, RV, TLC, IRV, ERV, IC, Rind, ELA, tPEF, Text, BEV, BEV/FVC, EOTV, tRISE, tHES, FIVC, FEV₁/FVC, FEV_{25-75'}/FVC, FEV_{75-85'}, FIF_{50'}-FEV_{50'}

Ordering Information

Product Model Number	Customer Order Number	Product Description
2120	83002	Vitalograph In2itive



One FREE online training with product registration.

Optional Extras / Consumables

Product Model Number	Customer Order Number	Product Description	Product Box Size
2040	36020	2040 3L Precision syringe	1
2820	28501	Eco BVF for Office Spirometers	100
	28551	Eco BVF Bite On DNC	60
	28554	2820 Eco BVF with Plastic Bite Lip	75



Free 5-Year warranty included with product registration.

Contact us

Our customer service team are available for telephone support on sales, technical queries or information requests.

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