

# In2itive Spirometer

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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**

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

Spirometry is the term given to the basic lung function tests that measure the air that is expired and inspired. It is performed to detect the presence or absence of lung disease, quantify lung impairment, monitor the effects of occupational/environmental exposures and determine the effects of medications.<sup>1</sup>

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 for use 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 maximise the efficiency of healthcare decisions.



## Multiple testing options

Test Modules	Description	Parameters*	Onscreen Graphs
<b>Forced Vital Capacity</b>	The total volume of air that can be exhaled during a maximal forced expiration effort.	<b>FVC, FEV<sub>1</sub>, FEF<sub>25-75</sub>, PEF</b> , etc	<ul style="list-style-type: none"> <li>• Flow / Volume / Time</li> <li>• Volume / Time</li> </ul>
<b>Vital Capacity</b>	The total volume of air that can be exhaled during a normal expiration effort.	<b>VC, IC, IVC, TV</b>	<ul style="list-style-type: none"> <li>• Bar Chart</li> <li>• Volume / Time</li> </ul>
<b>Bronchodilator Responsiveness Testing</b>	Determines the degree of improvement of airflow in response to bronchodilator administration as measured by changes in FEV <sub>1</sub> and FVC.	<b>VC, FVC, FEV<sub>1</sub>, FEF<sub>25-75</sub>, PEF</b> , etc	<ul style="list-style-type: none"> <li>• Pre-Post Flow / Volume</li> <li>• Pre-Post Volume</li> </ul>

# 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.
- Accuracy meets or exceeds the performance standards ATS/ERS 2019, ISO 23747:2015 & ISO 26782:2009.

## Seamless Connectivity

- Bi-directional data exchange to EMR is achieved through Vitalograph Connect, a PC application which is provided as standard.
- Compatible with HL7, GDT and several regional specific protocols.
- Multiple connectivity options, including wireless and USB.
- PDF reporting software.

## Hygienically Efficient

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

## Easily Interpreted Results

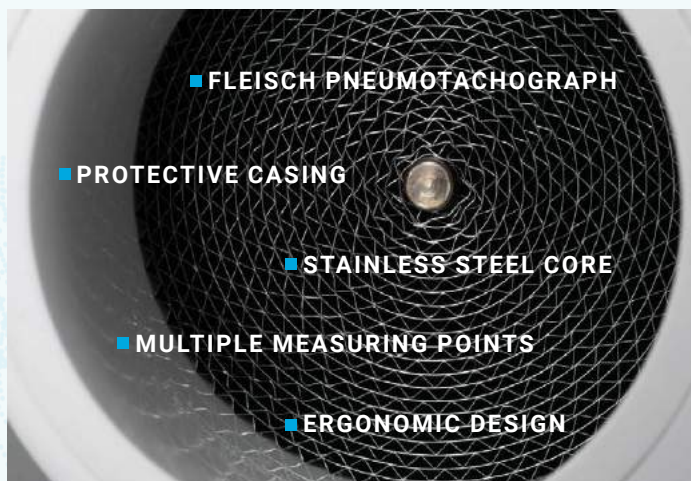
- Fast evaluation of results with %Predicted comparison, LLN and Z scores.
- Latest GLI predicted sets.
- Real-time flow/volume onscreen graphics.
- Instant test quality feedback.

## Testing Versatility

- Long-life rechargeable battery.
- 10,000 test capacity.
- 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

**Model:** 2120

**Flow detection principle:** Fleisch type pneumotachograph

**Volume accuracy:** +/- 2.5% ATS/ERS 2019, ISO

26782:2009

**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, JPAL & MDSAP

**Dimensions:** 186mm x 81mm x 48mm

**Weight:** 300g

**Communications:** USB 2.0 & Wi-Fi

**Power Supply:** 3.7V, 2Ahr Lithium Polymer battery

**Parameters measured:** EVC, IVC, FRC, VC, FVC, FIVC/  
FVC, FEV<sub>0.5'</sub>, FEV<sub>0.5'</sub>/FVC, FEV<sub>0.75'</sub>, FEV<sub>0.75'</sub>/FVC, FEV<sub>1'</sub>, FEV<sub>1'</sub>R,  
FEV<sub>1'</sub>/VC, FEV<sub>1'</sub>/EVC, FEV<sub>1'</sub>/FVC, FEV<sub>1'</sub>/FIVC, FEV<sub>1'</sub>/FEV<sub>6'</sub>,  
FEV<sub>1'</sub>/PEF, FEV<sub>3'</sub>, FEV<sub>3'</sub>/VC, FEV<sub>3'</sub>/FVC, FEV<sub>6'</sub>, PEF L/s, PEF  
L/min, FEV<sub>25'</sub>, FEF<sub>50'</sub>, FEF<sub>75'</sub>, FEF0.2-1.2, FEF<sub>25-75'</sub>, FIV<sub>1'</sub>, FIV<sub>1'</sub>/  
FVC, FIV<sub>1'</sub>/FIVC, PIF L/s, PIF L/min, FIF<sub>25'</sub>, FIF<sub>50'</sub>, FIF<sub>75'</sub>, FEF<sub>50'</sub>,  
FIF<sub>50'</sub>, MVVind, FMFT, FET, FRC, TV, RV, TLC, IRV, ERV, IC,  
Rind, ELA, tPEF, Text, BEV, BEV/FVC, EOTV, tRISE, tHES,  
FIVC, FEV<sub>1'</sub>/FVC, FEF<sub>25-75'</sub>/FVC, FEF<sub>75-85'</sub>, FIF<sub>50'</sub>-FEF<sub>50'</sub>

## Ordering Information

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

## Optional Extras / Consumables

Product Model Number	Customer Order Number	Product Description	Product Box Size
2040	36020	3L Precision syringe	1
2820	28501	Eco BVF for Office Spirometers	100
	28572	Eco BVF for Office Spirometers + Disposable Nose Clip	80
	28554	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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