Data you can rely on.
People you can trust.

Vitalograph Products & Services Guide
Vitalograph is a world leading provider of outstanding quality cardio-respiratory diagnostic devices, clinical trial services, audiometers 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.

Vitalograph has been a pioneer since our earliest days when we first made it possible to take spirometry out of laboratories and bring it into GPs surgeries. Our continuous investment in product development reflects our innovative spirit and demonstrates our commitment to supporting respiratory professionals and those they care for.

Managing Director, Vitalograph Ltd.
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Diagnostic Medical Workstation Software
Vitalograph Spirotrac

Diagnostic medical workstation software

Spirotrac® workstation software is capable of integrating high quality spirometry, pulse oximetry, 12-lead ECG, COPD assessment, challenge testing, audiometry and more in a single, easy to use and flexible software solution

Spirotrac provides:

- Intuitive workflow design for fast and accurate testing
- High quality graphical and trend displays, comprehensive data tables and test quality measures.
- Ability to work with most of the market leading Vitalograph range of PC based, handheld and desktop spirometers
- Ability to add additional test parameters over time
- A communication gateway for bi-directional data exchange with electronic medical record (EMR) systems
- Ability to network multiple installations together

Order Number: 70600
Vitalograph COMPACT™ Expert

Diagnostic medical workstation

The Vitalograph COMPACT™ Expert is a medical workstation running Spirotrac® software. The COMPACT is capable of integrating high quality spirometry, pulse oximetry, 12-lead ECG, COPD assessment, challenge testing, audiometry and more in a unique stand-alone approved medical device.

COMPACT provides:

- Integrated market leading Spirotrac software
- Ability to purchase single or multiple test parameter versions up front
- Ability to add additional parameters over time
- Ultimate data security
- Bi-directional data exchange with electronic medical record (EMR) systems
- Ability to network multiple COMPACT devices together

Order Number: 67800 (COMPACT Expert with Spirometry only)
High Quality Spirometers
Vitalograph Fleisch Flow Technology

The measuring technology used in Vitalograph spirometers is the Fleisch Pneumotachograph which provides accurate, robust, linear and reliable flow measurements. The extremely low flow impedance is well below the requirements of the current spirometer standard ISO26782:2009.

Fleisch Flow Measuring Technology Features:

- Accurate
- Easy to use
- Robust
- Reliable
- Low back pressure
- Linear flows ensure accuracy at very low flow rates
- Easy to clean
- Simple accuracy checks

High quality spirometers
Vitalograph Pneumotrac with Spirotrac Software

Highly accurate PC based spirometry solution

Combines the power of your Windows® PC with Vitalograph measuring technology for early detection of respiratory disease and integration with your organisation network.

- Accurate, robust and linear Fleisch pneumotachograph
- Intuitive user interface with workflow orientated presentation
- Automatic FEV₁ trend chart of actual and normal range data as subject is selected
- Open session, f/v and v/t curves, all test data and test quality in one view
- Maximum voluntary ventilation (MVV)
- Automatic storage of all test data and events, including calibration log
- Built-in test quality checks
- Choice of patient incentives
- Fully scalable database capacity using powerful Microsoft® SQL server technology
- Network ready

Order Number: 77700
Vitalograph micro

Low cost spirometry made simple

Reliable, affordable spirometry testing is easier than ever with the new Vitalograph micro™. This compact, lightweight, handheld spirometer is not only great value but it is packed with a host of features including full colour touch screen, icon driven menu and highly accurate and robust flow sensor technology.

- Supplied with Vitalograph Reports Software
- Configurable PDF reports for archiving or printing
- Full colour touch screen
- Clear sounds for audio feedback
- Real-time test quality prompts
- Flow/Volume and Volume/Time curves in real time
- Expandable graph views for full visualisation
- Display overlay of 3 best blows, best test and LLN
- Simple icon driven menu for ease of use
- Choice of over 40 parameters
- Optional remote flowhead operation
- micro Bluetooth® and application software developers kit available
- Pre and post bronchodilator testing options

Order Number: 63310

High quality spirometers
Vitalograph In2itive

High quality spirometry

Vitalograph In2itive™ combines the benefits of full spirometry, data integration and portability - in a small lightweight handheld spirometer.

- Features Fleisch flow measuring technology and simple icon driven menu
- Subject data from Spirotrac can be downloaded automatically to the In2itive device, up to 10,000 subjects – saving time and eliminating data entry errors
- Session can be automatically transferred to, and synchronized with, Spirotrac
- Colour touch screen
- Battery life for a full day of off-site testing
- Over 50 test parameters
- Choice of child incentives with sound effects
- Remote flowhead option enables the subject to view incentives while performing the test
- Print via your PC (Spirotrac or Vitalograph Reports)

Order Number: 79000 In2itive & Spirotrac Software, 79400 In2itive and Vitalograph Reports software
Vitalograph ALPHA

Effective spirometry – pure and simple

The Vitalograph ALPHA™ is a dedicated all in one desktop spirometer featuring the proven Vitalograph Fleisch pneumotachograph to provide unparalleled accuracy and outstanding performance.

- Measures VC, FVC, FEV₁, FEV₁ Ratio, PEF, FEF₂₅₋₇₅% and more
- On-screen visualisation of volume/time and flow/volume curves
- Links to PC, via USB, with Vitalograph Reports Software
- Saves multiple pre-tests for subsequent post-testing
- Compact flash card backup/storage
- Information presented in easy to read format
- Fast, silent printer that prints up to 140 tests per roll
- Battery and mains power with integrated battery for off site testing
- Real time clock
- Autoclaveable flowhead
- Facility for user accuracy checks

Order Number: 65000

High quality spirometers
**Vitalograph ALPHA Touch**

*For precision spirometry, portability, printing and PC connectivity*

Simple touch screen spirometry with in-built printing and automatic PC connectivity.

- Fleisch pneumotachograph, the best performing flow measuring technology in the world
- Automatic two-way synchronisation of patient data and test sessions between ALPHA Touch and Spirotrac
- Simple icon driven menu with large, high resolution colour touch-screen
- Storage capacity for 10,000 subjects
- Over 50 test parameters
- % predicted or SDS scores comparison
- F/V and V/T curves viewable in real time
- Pre-post bronchodilator comparison
- Single or multi-breath
- Hours of battery life
- Choice of exciting incentives

**Order Number:** 65500 ALPHA Touch
65600 ALPHA Touch & Spirotrac

---

High quality spirometers
### Spirometer Selection Guide

<table>
<thead>
<tr>
<th>Tests:</th>
<th>PC Based</th>
<th>Handheld</th>
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<td>VC</td>
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<td>Incentives</td>
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<td>In-built Printer</td>
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<td>PDF Reports (S = Spirotrac, V = Vitalograph Reports)</td>
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<td>●V</td>
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<td>Bi-directional Data Exchange with EMRs</td>
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<td>Full Database</td>
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<td>Audiometry</td>
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<tr>
<td>In2itive with Spirotrac®</td>
<td>Alpha</td>
<td>Alpha Touch</td>
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Desktop Medical Workstation
Additional Test Modules:
- Resting 12-lead ECG
- Audiometry
Vitalograph Spirotrac PC Based ECG

Power and sophistication made simple

The Vitalograph ECG device software is elegantly integrated into Spirotrac allowing for the capture of resting 12-lead ECGs. Fast, safe, wireless transmission allows ECG data to be captured, displayed, stored, analysed and interpreted with minimal lead artefact from movement or electrical sources. ECG tracings are captured and displayed in real-time and data can be saved for recall, reporting and printing. The built-in display also provides information on electrode contact problems, heart rate, battery status, communication status and digital pacemaker detection.

- Integrated Glasgow interpretation algorithm
- Choice of QTc parameters
- Choice of reports formats
- Ability to send READ Code data and A4 pdf 12-lead ECG report to electronic medical record (EMR) systems

Order Number: 70500

ECG hardware and software
The Vitalograph range of screening and diagnostic audiometers offers comprehensive and easy to use audiometry testing options for occupational health, primary care and audiology professionals.

**The range offers:**

- On-screen audiometry via user-friendly Spirotrac Software
- Extensive range of tests including Ear Protector Testing
- Fast and easy PC-connection via USB (plug & play)
- Extensive database and storage capacity
- PDF report generation
- Data exchange with electronic medical record (EMR) systems

**Order Numbers:**
- 70409 Screening Audiometer - Standard
- 70410 Screening Audiometer - Advanced
- 70411 Diagnostic Audiometer
# Audiometer Selection Guide

## Audiometer Range

<table>
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<tr>
<th>Tests</th>
<th>Screening Audiometers</th>
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<tr>
<td>Hughson Westlake Test</td>
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<tr>
<td>Ear Protector Test</td>
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<tr>
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## Audiometers
Respiratory Monitors
Vitalograph copd-6

COPD Screeners (Standard/USB/Bluetooth)

The Vitalograph copd-6™ is an accurate and cost effective ‘case selection’ or ‘screening’ device that identifies potential cases of COPD.

- For the early detection of COPD - quickly, simply and accurately
- Identifies those at risk of COPD at the pre-symptomatic stage
- Screens out those who do not have COPD
- Monitors COPD patients using their ‘number’, the obstructive index – FEV₁ as a percent of predicted
- Displays FEV₁, FEV₆, ratio and % predicted, obstructive index, COPD classification and lung age
- Built-in quality of blow indicator on a large, easy to read display
- Easy to clean flowhead
- Can be used with hygienic SafeTway mouthpieces or a BVF
- Lung age meter also available
- USB and Bluetooth versions available

Order Number: 40200 Standard
Vitalograph asma-1

Asthma Monitors (Child/Standard/USB/Bluetooth)

The Vitalograph asma-1™ is an easy to use, yet sophisticated, electronic asthma monitor that makes the monitoring of asthma simpler and more accurate than ever before. By measuring FEV₁, as well as peak flow, the asma-1 gives a clear picture of lung health. The asma-1 stores up to 600 test sessions and automatically assesses test quality.

- Measures FEV₁ and PEF
- Child version measures PEF, FEV₁, FEV₀.₅ and FEV₀.₇₅
- Simple to use
- Large, easy to read display
- No need for record cards
- Quality of blow indicator
- Suitable for multi-subject use with standard size SafeTway mouthpieces
- Uses long life AAA batteries
- USB and Bluetooth versions available

Order Number: 40000 Standard
Vitalograph lung monitor

Home Lung Function Monitors (Standard/USB/Bluetooth)

This easy to use home monitoring device is designed to record key lung function parameters for those with respiratory conditions including cystic fibrosis and transplant patients.

- Suitable for multi-subject use in clinic with SafeTway mouthpieces
- Automatically stores best values in a test session
- Variants with communications capability available
- Simple to use with a large, easy to read display
- Electronic record – no need for record cards
- Stores 200 test sessions
- Measures FEV₁, FEV₆ and the ratio
- Displays % of personal best FEV₁
- Quality of blow indicator
- Easy to clean flowhead
- Uses long life AAA batteries
- Meets ATS/ERS:2005 Spirometry Guidelines
- USB and Bluetooth versions available

Order Number: 40550 Standard

Monitoring cystic fibrosis and transplant patients
## Vitalograph 4000 Series Selection Guide

<table>
<thead>
<tr>
<th>Variant</th>
<th>PEF</th>
<th>FEV₁</th>
<th>FEV₆</th>
<th>FEV₁ Ratio</th>
<th>FEF 25-75%</th>
<th>FEV 0.5/0.75</th>
<th>Lung Age</th>
<th>Memory</th>
<th>Personal Best</th>
<th>GOLD</th>
<th>PDF Reports</th>
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- ● Available / ○ Not Available
- usb - USB
- bt - Bluetooth

Respiratory Monitors
Data Exchange and Software Developers' Kits
Data Exchange and Software Developers' Kits

Vitalograph offer a number of Software Developers’ Kits that provide developers and data integration specialists with the tools they need to achieve data exchange between Vitalograph devices and software and mobile applications or Electronic Medical Record Systems.

Developers’ Kits are supplied in the form of a CD and contain documents that detail full Application Programme Interface (API) and where relevant, (for 4000 and micro Bluetooth devices), a Bluetooth dongle. Access to Vitalograph’s R&D Technical Support Helpline is also included.

Software Developers' Kits Available:

Part No. 40426  4000 Series Software Developers' Kit
Part No. 63520  micro Software Developers' Kit
Part No. 70454  Spirotrac Software Developers' Kit
Peak Flow Meters
Vitalograph Peak Flow Meter asmaPLAN

The simple, accurate way to monitor asthma

- Accurate
- Compact, lightweight and portable
- Robust and hard-wearing
- Features comfortable integral mouthpiece
- Easily read scale marker labels
- Conforms to peak flow standards including ISO 23747:2015
- Suitable for adults and children
- Suitable for multi-subject use with SafeTway mouthpieces

Order Number: 43602

Monitoring asthmatics
Vitalograph myPEF

Web enabled peak flow meter

Vitalograph Peak Flow Meters conform to all peak flow standards including ISO 23747:2015

- Web enabled asthma monitoring
- Secure, personal, online PEF record
- Pocket sized
- Robust and accurate
- Integral protective cover
- World's thinnest PFM
- Longest scale
- Patented dual zone markers
- Suitable for adults and children

Order Number: 43950
Syringes and Consumables
Syringes & SafeTway Mouthpieces

Vitalograph’s wide range of spirometry consumables, which are designed to fit most respiratory devices, offer exceptional protection against cross infection, support effective spirometry and represent great value for money.

**Vitalograph Precision Syringe**

- 3-L Precision Syringe
  - Order Number: 36020
- 1-L Precision Syringe
  - Order Number: 20408

**SafeTway® Mouthpieces**

- SafeTway mouthpieces (200)
  - Order Number: 20242
- SafeTway mouthpieces mini (50)
  - Order Number: 20980
- Disposable Inhaler SafeTway (180)
  - Order Number: 29770
- Eco SafeTway Mouthpieces (200)
  - Order Number: 20929
**BVF™ Bacterial/Viral Filters**

Single use filters for effective filtration of bacteria, viruses and expectorated matter. Suitable for inspiratory and expiratory spirometry testing.

<table>
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<tr>
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<th>Colour:</th>
<th>To fit spirometers from:</th>
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<td>28350</td>
<td>Blue (Small Mouthpiece)</td>
<td>Most office spirometers including Vitalograph, MIR and Micro Medical</td>
</tr>
<tr>
<td>28362</td>
<td>White</td>
<td>Most Lab PF Equipment, including Sensormedics, PK Morgan, Ganshorn (new)</td>
</tr>
<tr>
<td>28363</td>
<td>Clear</td>
<td>Jaeger / VIASYS / Carefusion / Vyaire PF Lab Equipment</td>
</tr>
<tr>
<td>28365</td>
<td>Light Blue</td>
<td>MedGraphics PF Lab Equipment</td>
</tr>
<tr>
<td>28368</td>
<td>Green</td>
<td>Ferraris/nSpire/PDS/KoKo</td>
</tr>
<tr>
<td>28383</td>
<td>White Translucent</td>
<td>Chest, Fukuda, Minato</td>
</tr>
<tr>
<td>28401</td>
<td>Translucent</td>
<td>Medisoft PFT equipment and most office spirometers including Vitalograph, Cosmed, MIR, Carefusion (Micro Medical)</td>
</tr>
</tbody>
</table>
Pulmonary Function Test Kits

A wide range of PFT Kits are available, with choice of BVFs, Bite-on mouthpieces and nose clips.

For details please contact Vitalograph

Bite-On Mouthpieces

Fits all BVF filters except blue Cat No. 28350

- Rear Bite-on Mouthpiece Silicone (50)
  Order Number: 20310

- Front Bite-on Mouthpiece Silicone (50)
  Order Number: 20392

- Disposable Oval Mouthpiece (50)
  Order Number: 20989

Disposable Noseclips

- Disposable Noseclips (200)
  Order Number: 20303

Monitoring asthmatics
Inhaler Trainer
Vitalograph AIM

Effective inhaler training on dry powder and metered dose inhalers

The unique Vitalograph AIM™ (Aerosol Inhalation Monitor) is designed to assist in training subjects to use their inhaler correctly. Mastery of the correct technique will support more accurate drug delivery and good patient compliance, resulting in better disease management and fewer visits to medical professionals.

- Validates effective use of an inhaler
- Objective identification of proper use of the inhaler device
- Identifies correct choice of inhaler device type
- Identifies and quantifies poor inhaler technique
- Assists in training patients to use their inhaler correctly
- Provides clear feedback and instructions to subject and trainer
- Easy to use, hygienic and low cost
- Can optionally be used with a spacer
- Pharma specific variants available (e.g. Astra Zeneca, Boehringer-Ingelheim, GSK, Novartis)

Order Number: 45710
Clinical Trials Services
Cardio-Respiratory Clinical Trials Services

As a global provider of cardio-respiratory related services Vitalograph has undertaken multi-centre clinical trials for many of the world's foremost pharmaceutical companies, biotechs and CROs. With a 50 year heritage of service in the respiratory field and through our dedicated and motivated team of professionals, we bring the same commitment to excellence to all our clinical trials services. Our wide range of services includes:

- Protocol design consultation
- Expert review of centralized cardiac and respiratory data
- Centralized global data services
- e-Diaries, spirometry, ECG, FeNO, pulse oximetry and more
- Project, logistics and data management
- Customized software, devices and manuals to match your protocol
- Custom reports and study materials accessible via web portals
- Onsite and remote training of monitors and investigators
- Global 24/7 technical support

Contact Vitalograph for further details on our extensive range of clinical trial solutions
Service and Support
Vitalograph UK Technical Support

In the pressurised environment of a busy healthcare establishment, equipment breakdowns can be stressful and expensive. Enjoy the peace of mind of knowing that your medical devices have been expertly maintained by Vitalograph, a world leader with over 50 years experience in the manufacture and servicing of medical devices.

Our range of equipment technical support services is designed to give you complete confidence in the accuracy, reliability and traceability of your medical devices, and includes:

- On-site servicing & repair
- Collect and deliver servicing & repair
- Test and certification of other medical devices
- Extended warranties
- Technical and software support helplines
- Vitalograph UK Service Club benefits package