



# Vitalograph COMPACT

## Diagnostic Medical Workstation

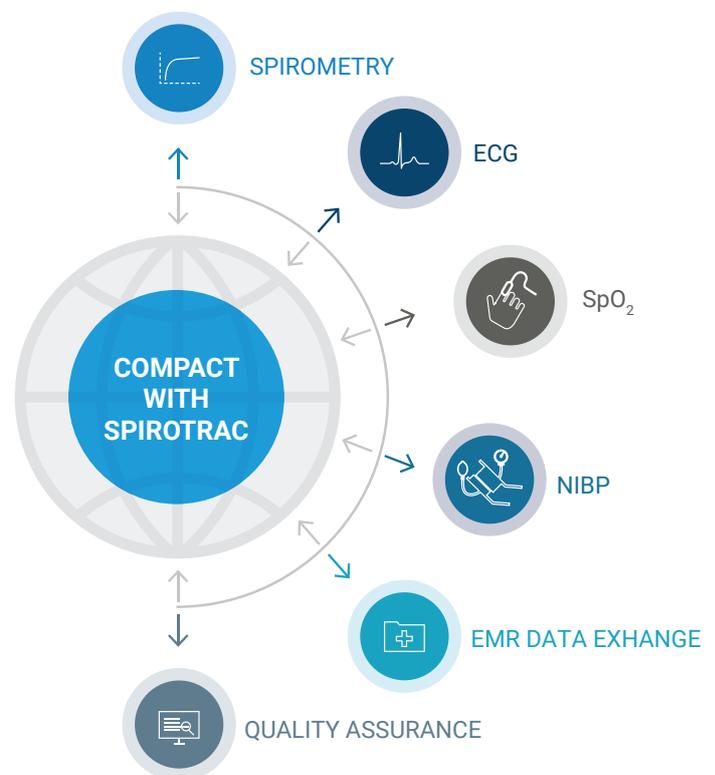
Vitalograph COMPACT™ is a powerful and flexible medical workstation that offers a wide range of testing capabilities in an easy to use, portable desktop solution. COMPACT utilises the powerful Spirotrac® software which supports a growing range of tests types and physiological measurements including; spirometry, resting 12-lead ECG, SpO<sub>2</sub>, and non-invasive blood pressure (NIBP).

## Spirotrac Features

- Simple icon driven menu
- Intuitive user interface
- Automatic storage and traceability of all test data
- Network multiple devices
- HL7, GDT and CSV data exchange with EMR systems in primary care, secondary care and occupational health\*

## Vitalograph COMPACT Features

- Full stand-alone operation
- Large colour touch screen
- Simple icon driven menu
- Automatic storage and traceability of all test data
- Network multiple devices
- Secure encrypted data transmission
- HL7, GDT and CSV data exchange with EMR systems in hospital, primary care and occupational health arenas\*
- Automated, secure data management



## Spirometry

COMPACT comes with integrated market leading Vitalograph Spirometry and Spirotrac Software as standard.

COMPACT also can act as a data integration hub for clinic spirometry, mobile spirometry using handheld devices, home monitoring.



\* Data exchange of certain test parameters with specific electronic medical record systems may be at different stages of development. Please contact Vitalograph for further details.

## Methacholine and Mannitol Bronchial Challenge (ATS and Mannitol) Testing

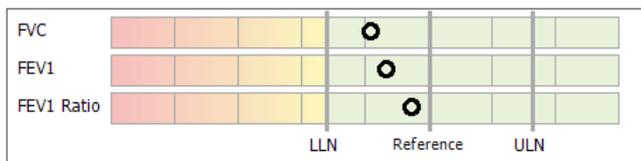
The causes of asthma and allergy can be difficult to diagnose but bronchial provocation with specific sensitisers help to identify the extent and cause of bronchial hyper-responsiveness.

## Spirotrac User Configuration Options

- Scalable volume/time and flow/volume curves using single-breath or multi-breath spirometry. Optional choice of child incentives with sound effects and transparency so that real-time curves are simultaneously viewable
- Pre-post spirometry comparison for bronchodilator or longer acting treatments
- Choice of over 50 user selectable parameters
- Automatic and scalable FEV<sub>1</sub> trend chart shows the trend of FEV<sub>1</sub> over the lifetime of the subject
- User preference for comparison with reference values: % predicted, lower level of normal (LLN) or Z-score (SDS)

## Global Lung Initiative (GLI)

Spirotrac includes the most recent normal reference values from the Global Lung Initiative (GLI). This normative reference data represents the first all age (3-95yrs), global multi-ethnic reference equations for spirometry.



## BT12 Resting 12-lead ECG

Fast, safe, Bluetooth® transmission allows ECG data to be captured, displayed, stored, analyzed 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.



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## ECG Key Features

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- Detailed results including measured results (e.g. P duration, PQ interval, QRS period, QTc).
- Visual electrode contact indication to assist operator
- Wireless data transmission via Bluetooth
- View traces as 1 x 12, 2 x 6 or 3 x 4 plus rhythm strip
- Automatic pacemaker detection

## Non-Invasive Blood Pressure (NIBP)

- Dedicated manual entry data screen in Spirotrac
- Trend data automatically processed and displayed

## 6 Minute Walk Test

The Spirotrac 6MWT Wizard guides you through the test protocol (ATS 2012) allowing you to record medication, fatigue and dyspnoea scores, spirometry, pulse oximetry and heart rate both before and after the six-minute walk test. With integrated timer and lap counter to record distance the user is guided in 10 logical stages to create a 6MWT patient record.

## Pulse Oximetry

Simply connect the SpO<sub>2</sub> sensor into your COMPACT to deliver accurate and high quality oximetry. This calculates, trends and reports all primary parameters including minimum, maximum and median SpO<sub>2</sub>/pulse rate.

## Spirotrac Reports

- Comprehensive test reports available for all test types (external printer required)
- Trend reports available for spirometry and NIBP
- Custom report service available

## Technical Specifications

**Product:** COMPACT

**Model:** 6600

**Device Classification:** Class II (USA) / IIa (EU) medical device

**QA/GMP Standards:** ISO 13485, FDA 21CFR820, SOR/98-282

**Net Size:** 375mm x 235mm x 110mm

**Gross Size:** 461mm x 297mm x 226mm

**Weight: Net:** 2.5kg; **Gross:** 4.3kg

**Input Voltage/Frequency:** 110-250V AC 50/60Hz

**PowerSAFE Output Voltage:** 19V DC

**Communications:** USB 2.0 x 6, Serial RS232 x 2, Ethernet x2, DVI Video Display Interface

**Performance Standards (meets or exceeds):**  
ISO 23747:2015, ISO 26782:2009, ATS/ERS 2019

### Ordering information

**6600** COMPACT Spirometer

**70201** 7000 Spirotrac Networking Licence

**70454** Spirotrac Software Developers' Kit

**NOTE:** COMPACT Diagnostic Medical Workstation includes software modules for Spirometry, Resting 12-lead ECG, Pulse Oximetry, 6MWT, NIBP (manual data entry) and Bronchial Challenge Testing (Mannitol and Methacholine)

### Compatible Devices & Hardware:

**70453** Nonin USB Pulse Oximeter  
Model 3231

### Vitalograph devices that communicate with COMPACT:

**2120** Handheld In2itive

**4000** Respiratory Monitor asma-1™ USB

**4000** Respiratory Monitor asma-1™ BT

**41300** BT12 ECG IEC

**41303** BT12 ECG AHA

### Consumables and Optional Extras:

**41301** ECG Electrodes disposable (30)

**28554** Eco BVF with Bite Lip (75)

**28553** Eco BVF with Bite Lip + Disposable Nose Clip (75)

**28501** Eco BVF - Bacterial/Viral Filters (100)

**36020** Precision Syringe 3-L

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### Vitalograph Ltd, Inc

800 255 6626 - Toll Free  
913 730 3200 - Tel  
913 730 3232 - Fax  
contact@vitalograph.com  
13310 West 99<sup>th</sup> Street  
Lexexa, Kansas, 66215,  
USA

### Vitalograph (Ireland) Ltd

+353 65 686 4100 - Tel  
+353 65 682 9289 - Fax  
sales@vitalograph.ie  
Gort Road Business Park  
Ennis, Co Clare, V95 HFT4,  
Ireland

Authorised Dealer Stamp

### Vitalograph Ltd, Hong Kong/China

sales@vitalograph.cn  
P.O. Box 812  
Shatin Central Post Office  
Hong Kong

### Vitalograph Ltd, International

+44 1280 827120 - Tel  
+44 1280 823302 - Fax  
sales@vitalograph.co.uk  
Maids Moreton, Buckingham  
MK18 1SW,  
England

### Vitalograph GmbH

+49 40 547391-0 - Tel  
+49 40 547391-40 - Fax  
sales@vitalograph.de  
Rellinger Straße 64a  
D-20257 Hamburg  
Germany

### Vitalograph Ltd, UK

+44 01280 827110 - Tel  
+44 01280 823302 - Fax  
sales@vitalograph.co.uk  
Maids Moreton, Buckingham  
MK18 1SW,  
England

