

# BT12 ECG

The essential 12-lead resting ECG solution for your PC



A Global Leader in Respiratory Diagnostics

# BT12 ECG

Fast, accurate and reliable 12-Lead Resting ECG instantly on your own PC, laptop or tablet.

The BT12 ECG combined with our improved Spirotrac®6 software is a powerful electrocardiograph. Its lightweight compact design and Bluetooth connectivity make it ideal for both stationary and portable use. Transmission of the ECG trace is wireless and provides excellent signal quality with less artefact. Interpretation is provided by the University of Glasgow algorithm which is one of the top resting ECG interpretive algorithms in the world, tried and tested for more than 35 years.

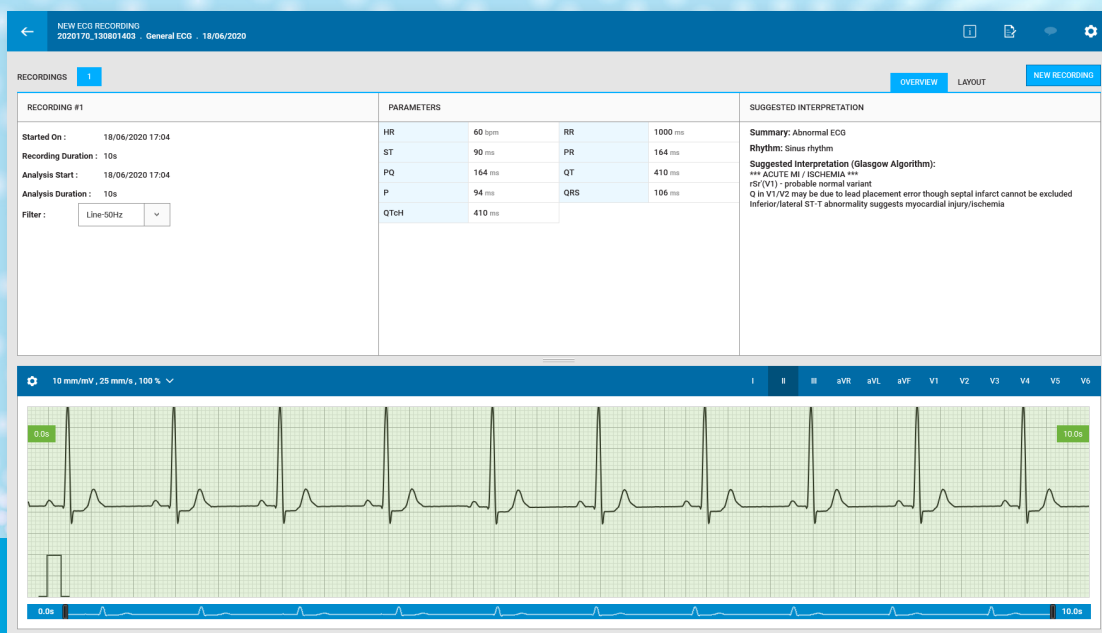


## Features and Benefits

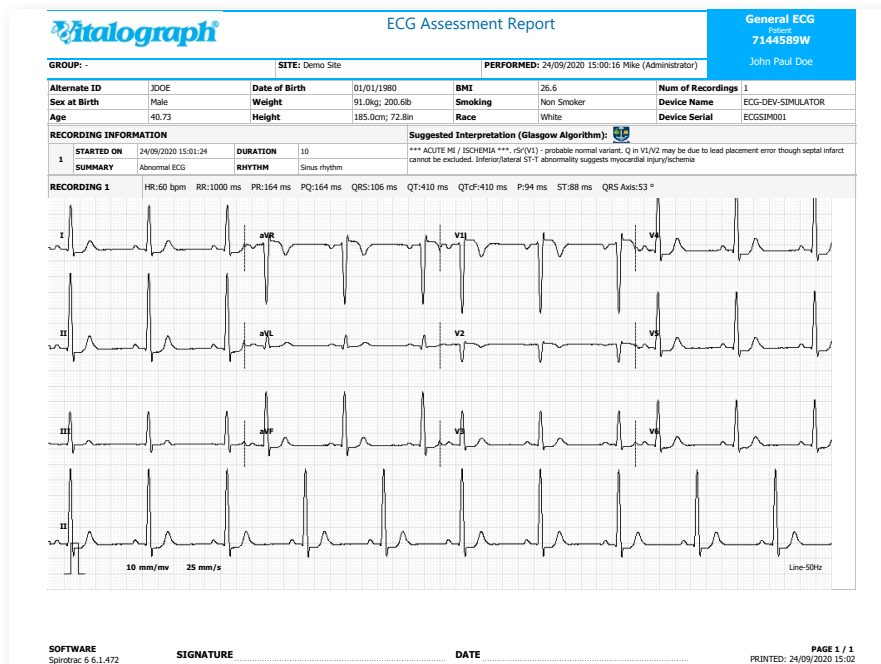
- Fast & easy **real-time** traces with 10 second test option
- **Instant feedback** for the operator on **electrode contact problems**
- **Reduced lead artefact** from electrical interference giving better quality ECG data
- Automatic measurements with computer **interpretation (Glasgow Algorithm)** and analysis to support a reliable diagnosis
- Calculation of heart rate with **acoustic and visual signal** to aid assessment
- Save time by automatically transferring patient information and test data into EMRs avoiding delays from copying and scanning ECG reports
- Flexible multi-channel and 12-lead overview for viewing and printing, supporting multiple formats to suit user requirements



University of Glasgow



- Capable of supporting clinical decisions for all commonly recognized ECG abnormalities such as myocardial ischaemia and infarction (MI), left ventricular hypertrophy, ST and T-wave abnormalities and common abnormalities of rhythm. Conduction disorders such as bundle branch block, heart block and prolonged QT interval are also reported
- Automatic pacemaker detection
- Software filters: Power Line noise Filter, Muscle Filter

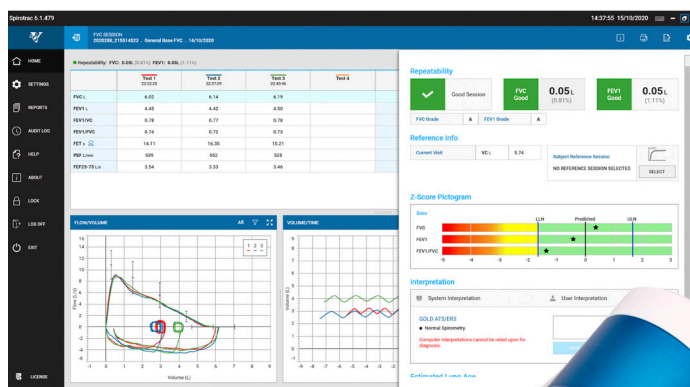


- Secure data management with fully scalable database capacity using powerful Microsoft SQL server technology
- Intuitive user interface with workflow orientated presentation
- Monitor historical changes by comparing results and trends over time for comprehensive patient management
- Free 5-Year warranty included with BT12 product registration



## Combine Spirometry and ECG into one comprehensive patient record

The Pneumotrac™ Spirometer connects quickly by USB with results delivered and recorded on the same user friendly Spirotrac software. Capture reliable test results immediately with Pneumotrac's precise and durable measurement technology. Contact us for further information.



# Technical Specifications

**Product:** BT12 ECG Model 4130  
**Product class in acc. with 93/42/ECC (MDD):** IIa  
**Dimensions W x H x D:** 6.1cm x 10.6cm x 2.3cm  
**Weight, incl. cable:** 210 g incl. batteries (154g without batteries)  
**Power supply:** 2 \* AA batteries (1.5 V) or rechargeable batteries (1.2 V)  
**Data transmission:** Wireless, standard Bluetooth 2.1  
**Electrodes:** Standard clip ECG electrodes  
**Sample Rate:** 500Hz  
**Digital Resolution:** 2.6  $\mu$ V  
**Resolution:** 24 bit A/D converter (15 bit transmitted)

**ECG Parameters (Spirotrac Software):**

HR[/min]	Heart Rate
RR[ms]	R-R interval
P[ms]	Duration of the P wave
PQ[ms]	Duration of the PQ interval
ST[ms]	Duration of the ST segment
PR[ms]	Duration of the PR interval
QRS[ms]	Duration of the QRS complex
P Axis[degrees]	Axis of the P wave
QRS Axis[degrees]	Axis of the QRS complex
T Axis[degrees]	Axis of the T wave
QT[ms]	Q-T interval
QTc[ms]	Q-T interval, corrected by HR with options Fridericia, Framingham, Bazett and Hodges

## Ordering information

Product Model Number	Customer Order Number	Product Description
4130	41300	12-Lead BT ECG IEC*
	41303	12-Lead BT ECG AHA*
7000	70902	Spirotrac 6 Software

## Optional Extras

Customer Order Number	Product Description	Product Box Size
41301	Self-Adhesive Electrodes	30

\* BT12 ECG requires Spirotrac PC software which is sold separately

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# Contact us

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

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