

Vitalograph Spirotrac PC Based ECG

Power & sophistication made simple

Vitalograph Spirotrac ECG

The Vitalograph ECG device and software combines the power of Spirotrac and your PC to offer full 12-lead electrocardiography. 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.



Vitalograph is a world leading provider of outstanding quality cardio-respiratory diagnostic devices, clinical trial services 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.

Integrated ECG Interpretation Algorithm



The software provides ECG analysis and interpretation based on the scientifically recognised University of Glasgow algorithm. The interpretation software provides detailed diagnostic suggestions and evaluation results.

- Measured results (e.g. P duration, PQ interval, QRS period)
- Rhythm analysis calculation of the heart rate with acoustic and optical signal pacemaker detection

12-Lead ECG Traces

- Transmits ECG traces wirelessly with no leads to trip on or artefacts from movement or electrical sources
- Calculation of the heart rate with acoustic and visual signal
- High quality multi-channel and 12-lead overview for viewing and printing
- All cardio and respiratory results may be transmitted from clinic for expert review
- Operator controlled selection of a 10-s sample trace, but can capture and store several minutes of 12-lead ECG recording
- Visual electrode contact indication to assist operator
- Wireless data transmission via Bluetooth (range: approx.10 m)



- View traces as 1 x 12; 2 x 6 or 3 x 4 plus rhythm strip
- Automatic pacemaker detection
- Full range of parameters (e.g. P duration, PQ interval, QRS period)
- Rhythm analysis



Manage Subjects, Test Sessions and Test Data

- Subject list, test session list, dynamic information panel and session data in one view
- Open session, ECG traces, all test data, interpretation and subject demographics in one view
- Automatic storage of all test data and events
- Secure data management
- Fully scalable database capacity using powerful Microsoft SQL server technology
- Intuitive user interface with workflow orientated presentation
- Data security – encrypted database secured with application role-based security and audit trail for effective data protection and assurance of data integrity

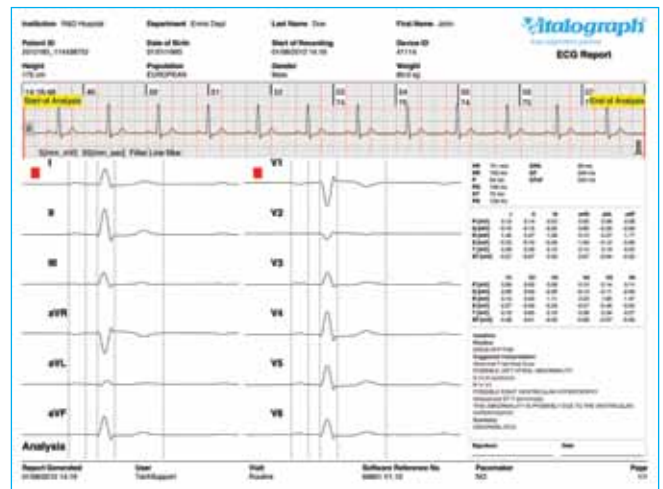
Visit	Time	Label
11/11/2010	19:22	MDE
16/09/2010	12:26	Routine
VC	18:37	
FVC	12:26	
POST	12:31	
SpO2	12:07	
6MWT	12:26	
BP	12:31	
ECG	12:07	
11/11/2010	19:22	MDE
16/09/2010	12:26	Routine
11/11/2010	19:22	MDE
16/09/2010	12:26	Routine
11/11/2010	19:22	MDE

Spirotrac for Communication and Training

- Links to large scale databases over networks with automated and secure encrypted data management on MS SQL Server
- Comprehensive reports for ECG traces including PDF for remote electronic filing and e-mail

High Quality Flexible Reports

- On any network or USB printer



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