Welch Allyn PC-Based Exercise ECG Test System

Technical Specifications

Acquisition Module
- Dimensions: 11 x 8.1 x 3.5 in (280 x 206 x 90 mm)
- Weight: 8.4 lbs (3.8 kg)
- Integrated defibrillation protection
- 10-lead patient cable
- Frequency response: 0.05–150 Hz
- Sampling rate: 600 sps

Filters
- 2.0 Hz (max) eXcel™ filter
- Selectable 50/60 Hz
- Digital baseline filter

Minimum Requirements (Recommended)
- Tower or desktop PC configuration
- Processor: P4 or higher
- Ports: 3 USB and 2 serial
- Memory: 1 GB or higher
- Video: 1024 x 768 true color
- Hard drive: 20 GB or higher
- Operating system: Windows XP SP2 (32-bit) or later, Vista Business SP1 or later, Windows 7 Home Premium, Professional and Ultimate (32-bit and 64-bit)
- I/O: CD-RW
- Peripherals: Keyboard, mouse and printer

CPT Codes
- 93015 Cardiovascular stress test using maximal or submaximal treadmill or bicycle exercise, continuous electrocardiograph monitoring, and/or pharmacological stress; with physician supervision, with interpretation and report
- 93016 Same as above; physician supervision only, without interpretation and report
- 93017 Same as above; tracing only, without interpretation and report
- 93018 Same as above; report and interpretation only

Software
- Monitoring formats: 1 x 12, 4 x 3, 2 x 6
- Print formats: 3 x 4, 2 x 6, Summary, ST Trends, ST Measurements, Average Complexes and Full Electronic
- Print speeds: 5, 10, 25, 50 and 100 mm/sec
- Lead sensitivities: 5, 10 and 20 mm/mV

Treadmill (Trackmaster)
- 0.5 to 12 mph
- 0 to 25% elevation
- 22” x 63” running surface
- 2 hp motor; 220 volt
- Antislip strips
- Adjustable seat and handlebars

Bike (Ergometer—Corival)
- Dimensions: 5 x 3 x 2.5 cm
- 26” x 63” running surface
- Maximum weight of rider: 353 lbs (160 kg)
- Adjustable seat and handlebars

Accessories
- 4930-0001 MEANS ECG Interpretation and Measurements (for use with MEANSMED D or MEANSDR D)
- 5820-0002 Patient Cable, Stress, PRO, CLP, AHA
- 5820-0025 Prolink USB Cable Assembly (5 m)
- 5820-0026 Prolink USB Cable Assembly (5 m)
- 5820-0027 Stress Belt and Pouch

Ordering Information

Welch Allyn PC-Based Exercise ECG Test System

12-lead Exercise ECG Test System
- #CPSP-UN-UC-D-P

Welch Allyn CardioPerfect™ Workstation Software
- #CPSP-UN-UC-D-PT

Resting ECG Functionality
- #CPSP-UN-UC-D-D

Digital ECG Patient Cable with USB Connections
- #CPSP-UN-UC-D-D

Treadmill
- #CPSP-UN-UC-D-D

Stress Belt, Stress Electrodes, Manual
- #CPSP-UN-UC-D-D

Desktop Computer, Laser Printer and Cart
- #CPSP-UN-UC-D-D

Note: To add MEANS Interpretation to the PCE-210 systems, use part number #CPSP-UN-UC-D-PT

Software
- Monitoring formats: 1 x 12, 4 x 3, 2 x 6
- Print formats: 3 x 4, 2 x 6, Summary, ST Trends, ST Measurements, Average Complexes and Full Electronic
- Print speeds: 5, 10, 25, 50 and 100 mm/sec
- Lead sensitivities: 5, 10 and 20 mm/mV

Treadmill (Trackmaster)
- 0.5 to 12 mph
- 0 to 25% elevation
- 22” x 63” running surface
- 2 hp motor; 220 volt
- Antislip strips
- Adjustable seat and handlebars

Bike (Ergometer—Corival)
- Dimensions: 5 x 3 x 2.5 cm
- 26” x 63” running surface
- Maximum weight of rider: 353 lbs (160 kg)
- Adjustable seat and handlebars

Note: All CardioPerfect installations include a free MSDE SQL or SQL 2005 Express license.

CPT® Codes
- 93015 Cardiovascular stress test using maximal or submaximal treadmill or bicycle exercise, continuous electrocardiograph monitoring, and/or pharmacological stress; with physician supervision, with interpretation and report
- 93016 Same as above; physician supervision only, without interpretation and report
- 93017 Same as above; tracing only, without interpretation and report
- 93018 Same as above; report and interpretation only

Software
- Monitoring formats: 1 x 12, 4 x 3, 2 x 6
- Print formats: 3 x 4, 2 x 6, Summary, ST Trends, ST Measurements, Average Complexes and Full Electronic
- Print speeds: 5, 10, 25, 50 and 100 mm/sec
- Lead sensitivities: 5, 10 and 20 mm/mV

Treadmill (Trackmaster)
- 0.5 to 12 mph
- 0 to 25% elevation
- 22” x 63” running surface
- 2 hp motor; 220 volt
- Antislip strips
- Adjustable seat and handlebars

Bike (Ergometer—Corival)
- Dimensions: 5 x 3 x 2.5 cm
- 26” x 63” running surface
- Maximum weight of rider: 353 lbs (160 kg)
- Adjustable seat and handlebars

Note: All CardioPerfect installations include a free MSDE SQL or SQL 2005 Express license.

CPT® Codes
- 93015 Cardiovascular stress test using maximal or submaximal treadmill or bicycle exercise, continuous electrocardiograph monitoring, and/or pharmacological stress; with physician supervision, with interpretation and report
- 93016 Same as above; physician supervision only, without interpretation and report
- 93017 Same as above; tracing only, without interpretation and report
- 93018 Same as above; report and interpretation only

CPT® is a registered trademark of the American Medical Association.
Experience the Power and Flexibility of the Welch Allyn Exercise ECG Test System

The Welch Allyn PC-Based Exercise ECG Test System:

- Multiple clinical features will meet your testing requirements
- Performs all commonly used stress protocols, and has the ability to customize additional protocols for personal preference
- Displays leads in 3-, 6- or 12-lead screen formats
- ST measurements reference point can be modified at any point before, during, or after the test
  - Calculates average ECG complexes at regular intervals and superimposes them on a reference ECG complex, which highlights ST changes in detail
  - Displays ST level and slope measurements both in a trend graph and in a table during the test
- Detection of leads-off, arrhythmias, and pacemakers
- Calculates Duke Score and supports Borg Scale (patient effort) entry
- Prints reports automatically or on demand including full disclosure, 2 x 6 and 4 x 3 leads, averages, trend graphs, tabular reports and summary reports
- Customizable summary report allows you to select relevant test information, including trend graphs
- Stores every beat of all 12 leads for the entire test
- Transfers all data to the Welch Allyn CardioPerfect™ Workstation Software:
  - Storage
  - Detailed review
  - Comparison to other diagnostic tests
  - Download to leading EHR systems
- Connects directly to a larger database so that you can use Welch Allyn advanced database functionality and paperless storage to manage your diagnostic tests
- Enter patient test data anytime before, during or after the test to match your workflow

Get Connected to Your EHR through the Welch Allyn CardioPerfect™ Workstation Software

The Welch Allyn Exercise ECG Test System downloads information to the Welch Allyn CardioPerfect™ Workstation Software, which provides paperless efficiency as well as connectivity to many leading EHR systems. This software puts patient records from a variety of Welch Allyn diagnostic instruments at your fingertips, giving you the ability to store, access, review, compare and edit diagnostic test data from any other computer on your network.

- Retrieve records with the touch of a key, and review and edit right on the screen
- Store thousands of records with ease
- Access information from your exam rooms, your office, or at home
- Copy and paste ECG strips, e.g., into Microsoft® Word
- Integrate with other patient information systems (e.g., billing, medical record)
- Use passwords to assign/limit tasks so that data integrity is maintained
- Connects to Electronic Health Record Systems

Easy-to-view screens give you the data you’ll need

- Continuously updated ST table highlighting lead with greatest ST.
- Stage by stage summary of averages for each lead.
- Program your own views for reviewing the test after completion.
Experience the Power and Flexibility of the Welch Allyn Exercise ECG Test System

The Welch Allyn PC-Based Exercise ECG Test System:

- Multiple clinical features will meet your testing requirements
- Performs all commonly used stress protocols, and has the ability to customize additional protocols for personal preference
- Displays leads in 3-, 6-, or 12-lead screen formats
- ST measurements reference point can be modified at any point before, during, or after the test
  - Calculates average ECG complexes at regular intervals and superimposes them on a reference ECG complex, which highlights ST changes in detail
  - Displays ST level and slope measurements both in a trend graph and in a table during the test
- Detection of leads-off, arrhythmias, and pacemakers
- Calculates Duke Score and supports Borg Scale (patient effort) entry
- Prints reports automatically or on demand including full disclosure, 2 x 6 and 4 x 3 leads, averages, trend graphs, tabular reports and summary reports
- Customizable summary report allows you to select relevant test information, including trend graphs
- Stores every beat of all 12 leads for the entire test
- Calculates Duke Score and supports Borg Scale (patient effort) entry
- Prints reports automatically or on demand including full disclosure, 2 x 6 and 4 x 3 leads, averages, trend graphs, tabular reports and summary reports
- Customizable summary report allows you to select relevant test information, including trend graphs
- Stores every beat of all 12 leads for the entire test

Get Connected to Your EHR through the Welch Allyn CardioPerfect™ Workstation Software

The Welch Allyn Exercise ECG Test System downloads information to the Welch Allyn CardioPerfect™ Workstation Software, which provides paperless efficiency as well as connectivity to many leading EHR systems. This software puts patient records from a variety of Welch Allyn diagnostic instruments at your fingertips, giving you the ability to store, access, review, compare and edit diagnostic test data from any computer on your network.

New!

- Stop/Start button is now moveable

Easy-to-view screens give you the data you’ll need

- Continuous updated ST table highlighting lead with greatest ST.
- Stage by stage summary of averages for each lead.
- Program your own views for reviewing the test after completion.

The Welch Allyn Acquisition Module is a lightweight, portable device that connects your PC to your patient.

Connects to Electronic Health Record Systems
Welch Allyn PC-Based Exercise ECG Test System

Technical Specifications

Acquisition Module
- Dimensions: L x W x D: 5" x 4.1" x 1.4" (125 x 105 x 35 mm)
- Weight: 4 pounds (1.8 kg)
- Integrated defibrillation: 200 J
- 10-lead patient cable
- Frequency response: 0.05-150 Hz
- Sampling rate: 600 sps

Filters
- 25/75 Hz muscle tremor filter
- Selectable 50/60 Hz
- Digital baseline filter

Minimum Computer Requirements (Recommended)
- Tower or desktop PC configuration
- Processor: P4 or higher
- Ports: 3 USB and 2 serial
- Memory: 1 GB or higher
- Hard disk: 10 GB or higher
- Operating system: Windows XP SP2 (32-bit) or later, Vista Business SP1 or later, Windows 7 Home Premium, Professional and Ultimate (32-bit and 64-bit)
- USB, CD-ROM
- Peripheral: Keyboard, mouse and Ethernet (optional)

Ordering Information

PCE-210 PC-Based Exercise ECG Test System
- MEANS ECG Interpretation and Measurements: Workstation Software
- Resting ECG Functionality
- Digital ECG Patient Cable with USB Connections
- Treadmill
- Stress Belt, Stress Electrodes, Manual
- Desktop Computer, Laser Printer and Cart

CPT® Codes
- 93015 Cardiovascular stress test using maximal or submaximal treadmill or bicycle exercise, continuous electrocardiograph monitoring, and/or pharmacological stress; with physician supervision, with interpretation and report
- 93016 Same as above; physician supervision only, without interpretation and report
- 93017 Same as above; tracing only, without interpretation and report
- 93018 Same as above; report and interpretation only

Software
- Monitoring formats: 1 x 12, 4 x 3, 2 x 6
- Print formats: 3 x 4, 2 x 6, Summary, ST Trends, ST Measurements, Averages Complexes and Full Electrocardiogram
- Print speeds: 5, 10, 12.5, 50 and 100 mm/sec
- Load sensitivity: 5, 10 and 20 mm/mV

Treadmill
- 0.5 to 12 mph
- 0 to 25% elevation
- 22" x 83" running surface
- 2 hp motor, 220 volt
- Antislip strips
- Adjustable belt and handrails

Bike
- 0.5 to 12 mph
- 0 to 25% elevation
- 22" x 83" running surface
- 22" x 63" running surface
- 220 volt
- Antislip strips
- Adjustable seat and handlebars

To learn more about the Welch Allyn Exercise ECG Test System or to request a demonstration, contact your Welch Allyn representative. You’ll find a solution that not only improves patient care, but provides priceless peace of mind.