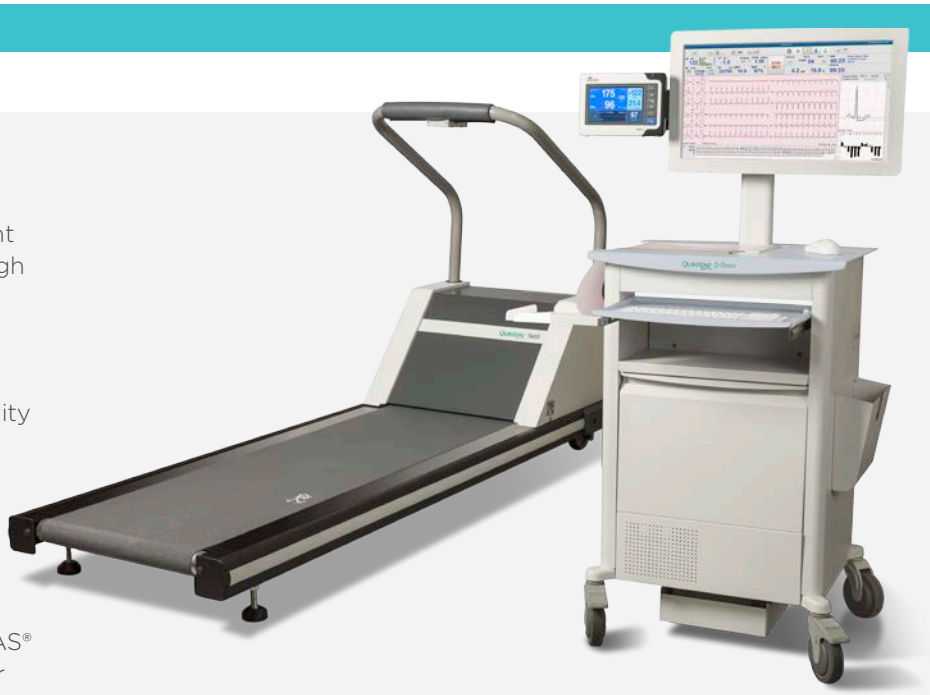
Q-Stress® Cardiac Stress Testing System

Specifications



Primary Benefits:

- Logical user interface — The system's left-to-right navigation and intuitive controls guide users through procedures with ease.
- Improved trace quality — Our innovative Source Consistency Filter (SCF) minimizes noise and baseline artifact while preserving a diagnostic-quality ECG signal.
- Wireless freedom — The WAM™ Wireless Acquisition Module digitally transmits ECG data, providing comfort and freedom of movement for the patient
- 12-Lead ECG interpretation — Best-in-class VERITAS® algorithm provides 12-lead ECG interpretation for adults, adolescents and children.

A Unique Approach To Clinical Data

The Q-Stress® Cardiac Stress Testing System is designed to provide comprehensive clinical information to meet the ever-changing demands of today's diverse patient population, from routine exams to complex cardiac evaluations.

- Quickly access continuous ST trends and profile, ST level and slope for all 12 average complexes, and auto comparison with reference complexes.
- Enhanced full disclosure mode provides a beat-by-beat review during the exam, as well as post-test, allowing easy retrospective addition of events and ECG printing. Hook-up confirmation is displayed which includes detection of lead reversals.

A Solution-Driven Design To Enhance Your Workflow

Designed by clinicians for clinicians, the powerful graphical user interface paired with our 24-inch widescreen color touch display works with you—the way you work.

- Begin by importing your patients' demographics. This fast and simple step enables you to eliminate manual data entry, streamline your work and minimize documentation and billing errors.
- Append significant data points as needed to the final report.
- Configured with our TM55 or TM65 treadmill, the Q-Stress system will ensure you're fully equipped for top performance.

A Connectivity Option That's Right For You

From simple connectivity to complete interoperability, the Q-Stress system offers a variety of integration solutions.

- Communication choices include PDF, XML, HL7® and DICOM®.
- Combine stress data with other systems that use non-proprietary formats, including your echo and nuclear imaging systems.
- Share final reports, access shared printers and archive information to your EHR.

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Q-Stress® Cardiac Stress Testing System	
Feature	**Specification***
Operating System	Microsoft® Windows® 7 Professional 32-bit or 64-bit Microsoft® Windows® 10 Pro 64-bit
Power Requirements	100/120 VAC 50/60 Hz 2.5 A nominal; 200/240 VAC 50/60 Hz 1.3 A nominal
Protocols	**Standard** — Bruce, Modified Bruce, Modified Balke, Naughton, USAF/SAM 2.0, USAF/SAM 3.3, Ramped-low, Ramped-medium, Ramped-high, Time-Ramp, and METs Ramp, Astrand (ergometer), pharmacological and more **Custom** — Up to 100 custom protocols supported
Front-End Module	AM12Q with AHA 10-electrode-pinch or snap connectors AM12Q with IEC 10-electrode-pinch or snap connectors WAM module for wireless ECG acquisition with AHA 10-electrode-pinch connectors WAM module for wireless ECG acquisition with IEC 10-electrode-pinch connectors
ECG	**Lead Groups** — Standard (Mason-Likar), Cabrera 12-lead **Display Format** — 3, 6, 6x2 or 12x1 channels **Performance Standard** — AAMI-EC11: gain accuracy, frequency response, CMRR, system noise, dynamic range and input impedance
Display And Analysis Filters	Source Consistency Filter (SCF), muscle artifact, baseline wander, 40 Hz low pass, line frequency
Reports	**In-Test** — 12-lead, average beat report, 1-page write screen, continuous rhythm, arrhythmia events **Final** — Summary, tabular, worst case, average beats by stage or by minute, in-test ECG reports, trend graphs and peak exercise. Reports can be viewed, printed, saved in PDF format, emailed or exported in PDF, XML and DICOM. **Custom** — Unlimited customizable reports
Outputs	TTL pulse and analog signals for QRS detection synchronization using any ECG lead
External Device Interfaces	**Treadmills** — TM 55/65, Trackmaster TMX428 and TMX425 **Ergometers** — Compatible with Ergoline and Lode communication protocols **Blood Pressure Monitors** — SunTech® Tango®+ and Tango M2
Printers	**Thermal** — High-resolution Z200+ with automatic feed and continuous printing capability (requires additional network port) **Laser** — Optional compact HP M501dn laser printer with high-quality print (recommended) **Paper** — 8.5 x 11" (letter) or 210 x 300 mm (A4)
Network Interface	Microsoft-compatible networking for storage, distribution and email; 100 Mbps connection or better is required.
Paper	Smart (210 x 280 mm), perforated Z-fold thermal cued paper with full grid; 250 sheets stored in paper tray
Export/Communication Protocol/Format	TCP/IP, PDF, XML, HL7, DICOM
Remote Technical Service Interface	Remote service increases system uptime availability and decreases the user's requirement to assist the troubleshooting process. Available via network or desktop connections (only in the US).
Display	24" (609 mm) flat panel LCD; 24" touchscreen display is optional
System Dimensions and Weight	**Height:** 62.5" (159 cm) floor to display top **Width:** 24.6" (63 cm) desktop only; 32.6" (83 cm) with paper tray; 50" (127 cm) with side shelf and paper tray **Depth:** 22.5" (57 cm) **Weight:** Approximately 270 lbs (122.5 kg)
Warranty	13 months parts and labor
Options	Networking, Resting ECG Analysis, ST-segment Re-Analysis, TTL Trigger, WAM
Ordering Information — Accessories	
9922-020-50	SunTech Tango M2 BP Monitor Kit for Q-Stress
9922-017-52	SunTech Tango+ and Tango M2 SpO2 option
9100-026-60	Thermal Paper, Z200+, Z-fold, full grid, 8.5 in x 11 in., 12 packs/case
9100-026-61	Thermal Paper, Z200+, Z-fold, full grid, A4 format, 210mm x 300mm; 12 packs/case

Specifications subject to change without notice.

For more information, contact your local Welch Allyn representative or visit **www.welchallyn.com.**

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