

Q-Stress

PRIMARY BENEFITS:

- **Ease-of-use:** The system's left-to-right flow and intuitive controls guide users through the procedure.
- **Connectivity:** Q-Stress® supports HL7, XML, and PDF protocols and communicates with your PACS/EHR system.
- **Customizable:** Create custom reports based on physicians' preference.
- **Accuracy:** Tracings are accurate and clear, with clean waveforms even at high speeds and steep grades.
- **Instant replay:** The Freeze Frame option allows you to "rewind" and view any section of any lead during the test.



FROM THE INVENTORS OF THE MODERN CARDIAC STRESS TEST

Q-Stress, now in its ninth generation, is designed to provide superior clinical data while meeting your procedural needs.

- Start by importing your patients' demographics. It will streamline your work, eliminate unnecessary keying, and minimize documentation errors and mishandled billing.
- Run our proprietary algorithm, baseline wander, and motion artifact filters for better ECG tracings with less noise.
- Display 3-, 6-, or 12-leads of data and easily view, print, save, or email in-tests or final reports.
- Be confident knowing the system alerts you to significant ECG changes — it updates, analyzes and displays anomalies, including ST anomalies and ectopic beats.
- Append significant data to the final report or export the complete full disclosure to your electronic health record (EHR).
- Configured with our TM55 or TM65 treadmill, you'll be fully equipped for top performance. Our medical treadmills have been the industry's gold standard for more than three decades and are among the best selling in the world.

Q-STRESS CONNECTIVITY INTERFACE STREAMLINES YOUR WORKFLOW

Robust network connectivity improves your workflow by using industry standards like HL7, XML, or PDF—that saves time!

- Using the HL7 option, download patients' demographics from the EHR.
- Combine stress data with other systems that use non-proprietary formats, including your nuclear camera and echo system.
- Share final reports, access shared printers, and archive information to your EHR.
- Electronically capture and transmit charges to facilitate billing.



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ISO 13485 CERTIFIED



WARRANTY + SERVICE

Mortara Instrument is committed to the highest level of customer support. Please contact us for the program which best suits your needs.

*Specifications subject to change without notice.

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FEATURE	SPECIFICATION*
OPERATING SYSTEM	Windows® 7 Ultimate/Enterprise
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, Astrand (ergometer), Persantine (pharmacological) CUSTOM — Unlimited custom protocols can be created
PATIENT MODULE	AHA 10-electrode with pinch or snap connectors IEC 10-electrode with pinch or snap connectors (available for International only)
ECG	CAPABILITY — true 12-lead GRAIN — 5 mm/mV, 10 mm/mV, 20 mm/mV LEAD GROUPS — Standard (Mason-Likar), Cabrera 12-lead, Frank, Canadian Bipolar DISPLAY — 3, 6, 12 channels PERFORMANCE STANDARD — AAMI-EC11: gain accuracy, frequency response, CMRR, system noise, dynamic range, and input impedance
DISPLAY AND ANALYSIS FILTERS	Muscle artifact filter, baseline wander filter, 40 Hz low pass, line frequency. All filters can be turned on or off by the user
ECG COMPUTATIONS	HEART RATE — computation 6 second average updated every 2 seconds ST PARAMETERS — Level and slope REFERENCE POINT — J Junction (QRS) offset user-selectable QRS DETECTION — ASVV (Absolute Spatial Vector Velocity), user can select any three leads BEAT DETECTION — Enhanced Quinton Stress algorithm for improved beat detection
REPORTS	IN-TEST — 12-lead, average beat, 1-page write screen, continuous write screen, ectopic detail FINAL — Summary, tabular, worst case, average beats, in-test reports, trend graphs and peak exercise. Full disclosure page addendum available with full disclosure option. Reports can be viewed, printed, saved in PDF format, emailed, or faxed. XML format for data export to other systems CUSTOM — Unlimited custom report available
OUTPUTS	TTL pulse for QRS detection (lead in user-selectable); 3 user-selectable analog outputs using any ECG lead
EXTERNAL DEVICE INTERFACES	TREADMILLS — TM 55/65, ST 55/65 (upgrade kit required) ERGOMETERS — Corival, Ergoselect, Rehor BLOOD PRESSURE MONITORS — Colin BP412, Colin STBP-780 (Japan only), SunTech® Tango+®
PRINTERS	THERMAL — High-resolution with automatic feed and continuous printing capability LASER — Optional Laser printer: compact HP laser printer with high quality print PAPER — 8.5 x 11" (US letter) or 210 mm x 300 mm (A4)
NETWORK INTERFACE	Microsoft compatible networking for storage, distribution and email
EXPORT/COMMUNICATION PROTOCOL/FORMAT	TCP/IP, HL7, XML, PDF
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	19 in (483 mm) LCD flat panel
CART DIMENSIONS AND WEIGHT	30 in x 20 in x 36 in (762 mm x 508 mm x 914 mm); 120 lb (54 kg)
WARRANTY	13 months parts and labor
OPTIONS	Networking, Q-Exchange, Full Disclosure, Freeze Frame, Re-Analysis
ORDERING INFORMATION — ACCESSORIES	
510-0109-00	SunTech Tango+ system for Q-Stress, 90-250V
50-00008-01	SunTech Tango+ SpO2 option with adult finger sensor
011440-004	Quik-Prep® applicator, 115V UL/CS
011440-005	Quik-Prep applicator, 220V
031581-001	Quik-Prep electrode, round foam, 45.5 mm
036869-001	Quinton premier paper Z-fold, full grid, 8.5 in x 11 in
036868-001	Quinton premier paper, Z-fold, full grid, A4
097001	Blue Max 40 mm electrodes, vinyl snap
097002	Blue Max 40 mm electrodes, foam snap