



The Quinton Q-Stress is the hospital industry's gold standard. New! Microvolt T-Wave Alternans™ for Q-Stress combines the industry's leading cardiac stress test system with Cambridge Heart's unique Microvolt T-Wave Alternans (MTWA) testing system, creating the most comprehensive, reimbursable cardiac risk-profiling system in the industry (US only). The Analytic Spectral Method® (ASM) detects every-other-beat patterns unique to patients at increased risk by analyzing the ECG in the frequency or spectral domain. Data shows that using frequency is superior at filtering out noise and artifact than using timing alone.

Its easy-to-learn left-to-right workflow and simple-to-understand icons and intuitive controls guide technicians through the stress test. Busy stress labs use QuikLists to enter comments quickly and efficiently.

It's proprietary algorithm, baseline wander, and motion artifact filters reduce noise and produce clean ECG tracings even at high speeds and steep grades. Perfect for pharmacological stress tests as well. Patients will appreciate getting the best test results the first time. And Q-Stress is HL7 and DICOM compatible! Q-Stress has the flexibility to connect to the Healthcare IT systems in the way that works best to enhance the clinical workflow.



Specifications

Operating System	Windows XP / Vista Ultimate
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, Rampedlow, Ramped-medium, Ramped high, Åstrand (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 Gain: 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 Standards: AAMI-EC II: gain accuracy, frequency response, CMRR, system noise, dynamic range, and input impedance
Display & Analysis Filter	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	Paper type: Pre-graded thermal paper, Z-fold, 8.5" x 11" (US letter) or 210 mm x 300 mm (A4) Printout device: 216 mm thermal dot array Paper speed: 10, 25, 50 mm/sec. +/- 2% Printing options: Multiple format ECG waveform and alphanumeric printing, diagnostic quality; Gain: 5, 10, 20 mm/mV +/- 5% Frequency response: 0.05 Hz to 150 Hz +/- 10% Muscle artifact filter: User-selectable: Off, 20 Hz or 40 Hz; Baseline filter User-selectable: Off, 0.12 Hz or STABLE (meets or exceeds all 1990 AHA recommendations) Calibration signal: 1.0 mV for 200 msec. +/- 5%
ECG Computations	Heart Rate: Computation 6 second average updated every 2 seconds ST Parameters 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, e-mailed or faxed. XML format for data export to other systems Custom: Unlimited custom report available

