



The Quest system is right for offices looking for value, simplicity, and increased patient throughput. The system is easy to use because it features a touch screen with convenient pull-down menus for intuitive workflow. Burdick's proprietary Logistep guide walks users through the test by highlighting the next step. We put everything you need on one screen, so there's no need for toggling among screens. And to save you time, we added an easy way to correct unintentional phase changes without having to start all over again.

Features

- Easy, intuitive touch screen lets you focus on the patient
- Performs both resting 12-lead ECGs and stress tests on one system
- Accurate ECG data acquired at the patient eliminating non-cardiac electrical noise
- Flexible programming means you choose the protocol
- Generous storage, enhanced online data editing and several data management options
- Full-range reporting offers over 15 different report configurations
- Digitally controlled treadmill maximizes system reliability



Specifications

Dimensions

Size: 60" x 25" x 34" (152 cm x 63 cm x 86 cm)

Weight: < 170lbs (78kg)

Monitor

Type: 15" High-resolution color with integrated touchscreen

Mount: User-adjustable tilt (•15°) and swivel (•90°)

Content: 3, 4 or 6 ECG channels, real-time; information and alphanumeric data

Displayed leads: User-selectable during a test; (3-, 4- and 6-channel)

Waveform display: •8 seconds per lead of ECG in 3-channel mode

Keyboard

Main keyboard: QWERTY layout

Ergometer control: Dedicated keys for ergometer speed, grade, start and stop

X-Ray Power Control

Auto and Manual Mode

Input/output

Digital I/O: RS-232 interfaces to treadmill, bicycle ergometer, and optional automatic blood pressure monitor

TTL pulse for QRS detection, 50 msec. delay

Analog output: 4 user-selectable outputs

Power Requirements

115/230V AC +/- 10%, 2.5/1.25 A, 50/60 Hz nominal 300 VA max

Chart Recorder

Paper type: Pre-grided 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: Userselectable: 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: 8-beat average, 30 bpm to 250 bpm, updated every second

ST measurements: 20 sec. moving window with 10 sec. updates to the display and to reports

ST parameters: Level, slope for 12 leads simultaneously

QRS detection channels: II, V2 and V5 with switching; Ectopic detection: Ventricular arrhythmias, unclassified

ST reference points: User-selectable: E-point (QRS onset), J-Junction (QRS offset), ST point (0 msec. to 100 msec., 5 msec. interval) with display/printout annotation

Protocols

Preprogrammed: Manual, Bruce, Modified Bruce, Balke, Naughton, Ellestad, Kattus, Ramp, Astrand, Modified Astrand, Pharmacological

User-defined: 20 protocols with up to 30 stages each plus

Warmup and Recovery phases