

Marquette Max 1 Stress System with T2000 Treadmill



Product Description

Interpretive Stress Test with Treadmill Patient cables digitizes the signal at the patient, eliminating analog cable noise. Contacts resist corrosion and ensure optimal signal quality. Median update helps assure all measurements, including ST segments, are made upon true morphology. Technician friendly interface. Select standard or customized protocols. Unity Network™ compatibility facilitates immediate access to the complete patient record. Marquette's optional resting ECG analysis program adds clinical versatility. Pharmacologic Report Option delivers medical record ready, accurate reports. Cubic spline baseline correction removes baseline wander without the use of distorting filters. TRIM KNOB® control eliminates multiple keystroke functions. Intuitive menu design eliminates the need to navigate through multiple layered menus. Incremental updating is a beat to beat process that illustrates ST changes for real-time decision making. Modular patient cable design lowers maintenance costs.

Marquette Max 1 Stress System Refurbished

For additional information, written quote, warranty information, payment terms or product availability, contact our office Toll Free at: 800-989-4909

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Marquette MAX 1 Specifications

Display

Size: 30.48 cm (48 in) diagonal. **Type:** high-resolution, raster written. **Frequency response:** 0.01 to 40 Hz, 0.01 to 20 Hz, user-selectable. **Number of traces:** 3 rhythm leads. **Sweep speed:** 25 mm/s. **Sweep speed accuracy:** $\pm 2\%$. **ECG rhythm:** 7.5 s/lead. **Leads:** user-selectable. **Recall reports:** 10 s of 6 user-selectable leads. **Displayed data:** heart rate, target heart rate, blood pressure, total exercise time clock, stage clock, 4 current median complexes, treadmill speed and grade, ventricular ectopic/minute counter, 3 channels of rhythm, protocol and stage of exercise, warning messages and prompts.

System

Digital sampling rate: 250 Hz. **A/D conversion:** 12 bits. **Chassis leakage current:** < 100 mA (meets AAMI standards SCL 1278). **Patient leakage current:** < 10 mA. **Common mode rejection:** 130 dB, minimum, up to 180 dB with digital processing. **AC elimination:** 50/60 Hz digital filters. **Electrode offset tolerance:** ± 320 mVDC. **Internal maintenance test:** automatic self-tests. **Diskette drive:** 8.89 cm (3.5 in), 2 MB, double sided, quad-density, and MS-DOS format compatible.

Processing

ST level and slope determination: up to 15 leads. **Medians:** incremental updating with elimination of artifact and aberrance in all leads. **ST level measurement:** manually selectable post J point. **Heart rate:** 16-beat sliding average updated every beat; minimum 35 beats/min, maximum 300 beats/min. **QRS detection:** band-pass filtered composite of three user-selectable leads. **Arrhythmia:** automatic detection and documentation.

Input

Channels: simultaneous acquisition of up to 15 channels. **Impedance:** 100 M Ω /2, defibrillator-protected. **Dynamic range:** ± 320 mVDC. **Electrode offset tolerance:** ± 320 mVDC.

Output

Standard outputs: one analog output, one waveform output, one TTL output with variable pulse width, polarity and delay, QRS beep.

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Writer

Method: thermal dot array (horizontal 1000 dots/in at 25 mm/s, vertical 200 dots/in). **Channels:** 6, user selectable. **Frequency response:** 0.01 to 100 Hz, 0.01 to 40 Hz, 0.01 to 20 Hz, user-selectable. **Sensitivity:** 5, 10, and 20 mm/mV. **Paper speed:** 5, 12.5, 25, and 50 mm/s, user-selectable. **Paper style:** thermal, perforated, 21.59 cm x 27.94 cm x (8.5" x 11"), Z fold, 300 sheets/pack

Acquisition Module

Analog Sampling rate: 2000 Hz. **Microprocessor-controlled:** 10 IEC and AHA color-coded lead wires standard, 14 lead wires optional; (additional lead wires user-definable)

Keypads

Control panel: contains manual treadmill, test/procedures, and report controls. **Alphanumeric keyboard:** with TRIM KNOB for blood pressure, patient demographics, and impressions entry.

Reports

Classical 12-lead: note: reports can be transferred to the NUSE network by diskette. **Incrementally averaged medians:** with real-time rhythm and ST level; user-selectable in two formats. **3- or 6-channel rhythm strips:** available for real-time, recall or arrhythmia documentation (leads user-selectable). **Tabular presentation of final report data including:** phase, stage, speed, grade, heart rate, blood pressure, rate-pressure product, ectopic, maximum ST depression, and physician's impressions. **Sample cardiac cycles:** presented at user-defined intervals. **Trend graph:** heart rate, ST levels, ST slopes, blood pressure, PVCs/m.

Power

Requirements: 90 to 135 VAC, 180 to 270 VAC, 50/60 Hz. **Power consumption:** 225 W maximum.

Physical

Height: 154.94 cm (61 in). **Width:** 62.23 cm (24.5 in). **Depth:** 71.12 cm (28 in). **Weight:** 54.48 kg (120 lbs)

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