The MAC® 1200 digital, 12-lead electrocardiograph system offers comprehensive ECG solutions with practical features that meet the needs of hospitals, clinics, office-based practices and clinical trials. Its advanced algorithm capabilities, seamless connectivity to the MUSE® Cardiology Information System and easy-to-use features provide the highest level of quality and convenience users require.

- One-touch operation for acquisition, analysis, storage and printing minimizes training.
- Measurements, interpretation and memory are available in any combination to meet specific customer needs.
- 4 user-definable fields for patient data entry flexibility.
- Waveform display allows rapid assessment of ECG rhythm and signal quality.
- Portable, lightweight design with carry handle allows the MAC 1200 to be easily taken wherever it’s needed.
- Battery powered for added versatility.
- Optional CT (Clinical Trial) data guard feature is designed to help guarantee the integrity of the digital ECG record, support facilitation of 21 CFR Part 11 compliance, enhance security and protect electronic records.
Reliable decision support

GE continues advancements in ECG acquisition and analysis, giving clinicians the diagnostic accuracy they have come to rely on. In fact, the accuracy of our Marquette® ECG analysis programs are continually validated against the clinical “gold standards” currently accepted by physicians.

- **Marquette 12-Lead ECG Analysis** – Our Marquette® 12SL™ ECG analysis program provides true, computer-interpreted analysis of adult and pediatric populations. It is the most scientifically documented 12-lead ECG algorithm, and offers the greatest accuracy for a respectable second opinion.

- **Marquette 12SL with Gender Specific interpretation** applies unique criteria for evaluating the ST segment, QT segment and T-wave of the ECG waveform, improving sensitivity to acute MIs in women and enhancing diagnostic confidence among even occasional ECG readers.

- **Auto-Arrhythmia Detection** maximizes rhythm capabilities and minimizes paper consumption and overread time.

With gender specific 12SL analysis
Interpretive program states Acute MI

**AGE AND GENDER SPECIFIC AMI CRITERIA**
SINUS RHYTHM WITH AV DISSOCIATION AND JUNCTIONAL RHYTHM
ST ELEVATION CONSIDER INFERIOR INJURY OR ACUTE INFARCT
**ACUTE MI**
ABNORMAL ECG

Without gender specific 12SL analysis
Interpretive program states non-specific ST and T-wave abnormality

**AGE AND GENDER SPECIFIC AMI CRITERIA**
SINUS RHYTHM WITH AV DISSOCIATION AND JUNCTIONAL RHYTHM
NONSPECIFIC ST AND MARQUETTE T-WAVE ABNORMALITY
ABNORMAL ECG
Seamless connectivity
Electronic information exchange to provide clinical data anytime, anywhere.

- **All digital, all the time** – MAC 1200’s digitally stored and formatted data protects against data loss that can occur in analog format.

- **Bi-directional communication with MUSE**, the leader in electrocardiograph information systems, can help clinicians increase departmental productivity and reduce errors. MAC 1200 can instantly send and receive complete patient ECG data for immediate remote review or overread.

- **Cart-to-cart communication** is also featured, making your ECG data even more accessible. Electrocardiograms can immediately be transmitted or received from another GE electrocardiograph, thus speeding up diagnosis and enhancing decision-making support.

True cost of ownership
Our MAC line of electrocardiographs are not only known for standing the test of time, but are designed with features to maximize departmental uptime, minimize patient rescheduling and lower replacement costs.

- **Modular leadwire assembly**
  - Multi-Link Leadwires
  - Full variety of electrode adapters

- **3-Year warranty**

- **Field-upgradeable**

Easier regulatory compliance
Requiring minimal policies and procedures to meet compliancy, MAC 1200 with optional CT Data Guard – coupled with the complete functionality of the MUSE – gives clinical research organizations (CROs) an advantage when linked with minimal standard operating procedures created by the organization.
### Physical specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>3.7 in (94 mm)</td>
</tr>
<tr>
<td>Width</td>
<td>14.5 in (370 mm)</td>
</tr>
<tr>
<td>Depth</td>
<td>12.6 in (320 mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>12.3 lb (5.6 kg) with battery</td>
</tr>
</tbody>
</table>

### Performance specifications

#### Power Supply
- **Ratings**: 95 to 240 VAC
- **Frequency**: 49 to 64 Hz
- **Battery Type**: NiCad, 18V, 1.3 Ah
- **Battery Charge Time**: 4 hours

#### Processing
- **Software**: Version 6.0
- **Acquisition & Analysis**: 12 leads – simultaneously
- **Signal Input Type**: CF according to IEC
- **Digital Sampling**: 1000 samples/second/channel
- **Dynamic Range**:
  - Differential signals for AC voltage ±10 mV
  - Superimposed DC voltage (polarization voltage) ±600 mV
- **Resolution**: 5 µV
- **Frequency Response**: 0.08 – 150 Hz
- **Common Mode Rejection**: > 140dB
- **Input Impedance**: > 100 MΩ
- **Leakage Current**: < 10 µV
- **Pacemaker Detection Sensitivity**: All leads, duration 0.1 – 2.5 ms, amplitude > 5 µV

#### Display
- **Type**: LCD 320 x 240 pixel, backlit, Contrast adjustable
- **Displayed Data**: Selected Lead Group, Operation Mode, Lead Check, Heart Rate, AC Filter, Muscle Filter, ADS, Gain, Speed, Name, ID, 3 ECG Waveforms

#### Writer
- **Type**: Thermal array print head
- **Resolution**: Vertically 8 dots/mm, horizontally 25µm at 25 mm/s
- **Paper type**: Z-fold
- **Writer speed**: 5, 25, 50 mm/s

#### Keyboard
- **Type**: Membrane keypad with tactile feedback

### Environmental specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Temperature</strong></td>
<td></td>
</tr>
<tr>
<td>Transport</td>
<td>-22°F to 140°F (-30°C to 60°C)</td>
</tr>
<tr>
<td>Operating</td>
<td>50°F to 104°F (+10°C to 40°C)</td>
</tr>
<tr>
<td><strong>Relative humidity</strong></td>
<td></td>
</tr>
<tr>
<td>Transport</td>
<td>25-95%</td>
</tr>
<tr>
<td>Operating</td>
<td>25-95%</td>
</tr>
<tr>
<td><strong>Pressure</strong></td>
<td></td>
</tr>
<tr>
<td>Transport</td>
<td>500 to 1060 hPa</td>
</tr>
<tr>
<td>Operating</td>
<td>700 to 1060 hPa</td>
</tr>
</tbody>
</table>

### Certification

**CE Marking**

- Compliance with:
  - CE Mark council directive, 93/42/ECC
  - Radio interference directive, EW 55011
  - Electromagnetic compatibility, EN 60601-1-2
  - Electrical shock, fire, and mechanical hazards, UL 2601-1 and CAN/USA C22-2 601.1

### Warranty

Standard warranty is three years.

### Ordering Information

Visit gehealthcare.com or contact your local GE Healthcare representative.

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3000 North Grandview
Waukesha, WI 53188
U.S.A.

www.gehealthcare.com

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