Cardico 1210
12 channel digital electrocardiograph with analysis
Kenz Cardico 1210, a precision digital electrocardiograph that is superior in arrhythmia analysis, comes with more than 130 diagnostic statements to meet doctor's requirements in ECG recording. The built-in high resolution printer enables excellent quality ECG tracing in various formats. You can also print out the ECG on a plain A4 size paper by using an external printer connecting to a PC with the optional software (ECG Data Viewer CVS-01). To print the ECG on the ECG paper, plain A4 paper, or save the ECG data without printing, the choice is yours. The internal memory enables 100 ECG data to be stored and retrieved for review.

**Advanced Digital filters**
Sophisticated digital filters eliminate AC noise, baseline drift and EMG caused by muscle tremor.

**Various ECG display on the back-lit LCD**
3-ch ECG display, 12 leads scanning display, Patient data, etc. can be viewed on the 5.7 inch back-lit LCD.

**Adult and pediatric analysis programs**
Two different analysis programs to increase the accuracy of ECG analysis.

**Built-in rechargeable battery for emergency use**
The built-in battery can be used for one hour operation during emergency if it is fully charged for 2.5 hours.

**Data management program**
Management of the data stored in the internal memory by ID number or date of recording.

**Data transmission to external PC**
The ECG recorded can be transmitted to an external PC by using the optional software (ECG Data Viewer CVS-01).
Various ECG recording formats to suit your needs

Auto Mode Recording

6-ch

4-ch (3+Rhythm lead)

3-ch

Long-term mode

12-ch ECG

One sheet

Various display formats on the LCD

3-ch ECG

12 leads scanning

Long-term ECG

Optional leads

Patient Information

Data Management
Kenz Cardico 1210 Features

1. 3, 4, 6 or 12-ch ECG recording with analysis
3. 1 sheet, 2 sheets or 3 sheets printout
4. Compartment for A4 size Z-fold paper
5. 5.7 inch LCD display
6. Soft keypad (option: external keyboard)
7. Built-in memory for 100 ECG data
8. Power by AC or DC
9. Excellent recording quality
10. Data transmission to Kenz ECG data viewer CVS-01

ECG Data Viewer CVS-01

Cardico ECG unit
PC
Data storage (Backup function)
DVD-RAM MO, etc.
Laser printer
Electric data application
ECG Graphic Image
Review Edit

PC
PC
**Specifications**

<table>
<thead>
<tr>
<th>Input impedance</th>
<th>Over 50M ohm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leads</td>
<td>Standard 12 leads and Cabrera leads</td>
</tr>
<tr>
<td>Common mode rejection</td>
<td>Over 100dB</td>
</tr>
<tr>
<td>Frequency response</td>
<td>0.05-150Hz within (-3dB to +0.5dB)</td>
</tr>
<tr>
<td>Time constant</td>
<td>Over 3.2 seconds</td>
</tr>
<tr>
<td>Patient leakage current</td>
<td>Less than 10 micro A</td>
</tr>
<tr>
<td>Classification(ECG)</td>
<td>Class 1 type CF</td>
</tr>
</tbody>
</table>
| Sensitivity           | AUTO: 2.5, 5 or 10mm/mV ±5%  
                       | MANUAL: 2.5, 5, 10 or 20mm/mV ±5%  
                       | LONG-TERM: 5mm/mV ±5%               |
| Filters               | Digital filters      
                       | AC noise : Over -30dB, 60Hz or 50Hz  
                       | Drift : -3dB, 0.5Hz     
                       | Muscle 1 : -3dB, 35Hz      
                       | Muscle 2 : -3dB, 25Hz      |
| Recording system      | Thermal array (8 dots/mm) |
| Chart speeds          | AUTO : 25, 50mm/min ±5%  
                       | MANUAL: 10, 25, 50mm/min ±5%  
                       | LONG-TERM: 12.5mm/min ±5%     |
| Recording paper       | Thermal array (8 dots/mm)  
                       | Roll type : P210X25R          
                       | Z-fold type : P210X48Z and P210X60Z-PM |

<table>
<thead>
<tr>
<th>Internal memory</th>
<th>100 ECG data storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU</td>
<td>32 bit</td>
</tr>
<tr>
<td>A/D conversion</td>
<td>12 bit</td>
</tr>
</tbody>
</table>
| Sampling rate         | 1 ms                 
                       | 250 micro-second for pacemaker detection |
| Power source          | AC 110-120V, 220-240V  
                       | DC rechargeable battery 12V  
                       | Nickel hydrogen type rechargeable battery |
| Defibrillation protection | To 5,000V, 400J    |

**ECG Data Viewer CVS-01**

**Analysis Report**

**ECG Waveform**

**Serial data comparison**

**Scale and Caliper function**

**Standard Accessories**

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patient cable PC-109</td>
<td>1 pc</td>
</tr>
<tr>
<td>ECG clip-on electrode CR-2020</td>
<td>4 pcs</td>
</tr>
<tr>
<td>Chest electrode CE-06</td>
<td>6 pcs</td>
</tr>
<tr>
<td>ECG cream (70g)</td>
<td>1 pc</td>
</tr>
<tr>
<td>AC Power cable</td>
<td>1 pc</td>
</tr>
<tr>
<td>Paper spool</td>
<td>1 pc</td>
</tr>
<tr>
<td>Recording paper (Z-fold type P210X48Z)</td>
<td>1 pc</td>
</tr>
<tr>
<td>Operation manual</td>
<td>1 pc</td>
</tr>
<tr>
<td>Physician's criteria guide</td>
<td>1 pc</td>
</tr>
</tbody>
</table>

Caution: Use only the specified standard accessories. Use of any other accessories may cause problems.

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