

## Electrocardiograph

12 Lead Interpretive resting ECG  
in morphology, rhythm and conduction



# 1211 - DG

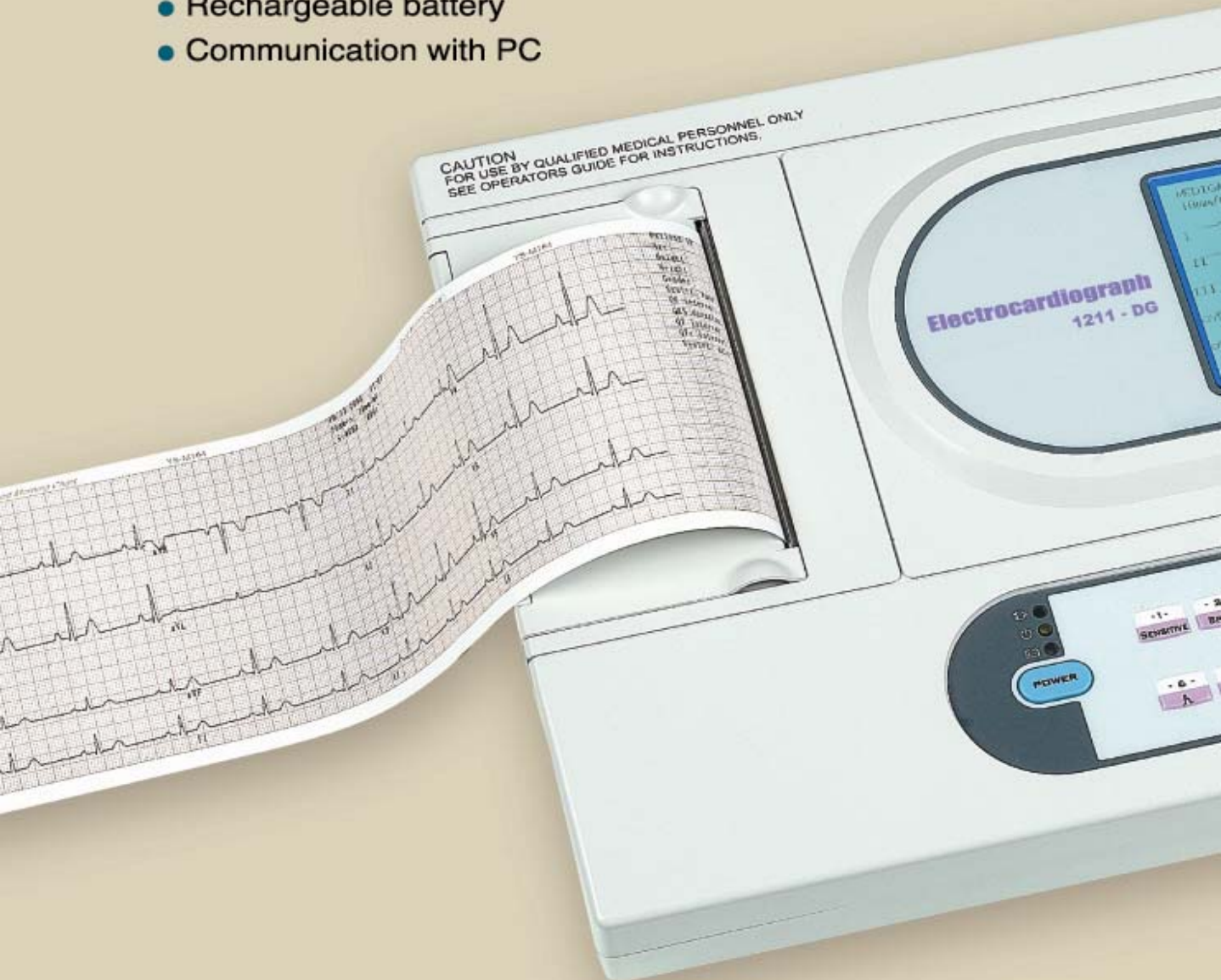
E L E C T R O C A R D I O G R A P H



# 1211-DG

## F U N C T I O N

- Compact laptop design
- Graphic LCD monitor
- Built-in high resolution printer
- Rechargeable battery
- Communication with PC



## *12 lead simultaneous ECG signal measurement and average complex ECG interpretation*

### Measurement and average complexes

1211-DG measuring program determines precisely the beginning and end points of P waves, QRS complexes and T waves based on noise reduced average complexes. Electrical axis as well as exact time and amplitude measurement are provided.

### ECG Interpretation

1211-DG has the clinically proven interpretation program of diagnostic information with regard to rhythm, electrical axis, QRS morphology changes, conduction defects, hypertrophy characteristics, ST-T changes, myocardial infarction, etc. with an interpretation time of less than 6 seconds.

### Communication with PC

- Via the serial interface, the electrocardiograph can be directly connected to PC.
- Saving and transmitting of measured data
- Efficient patient information management



Standard accessories



# Specification

|                           |   |
|---------------------------|---|
| Leads                     | <ul style="list-style-type: none"> <li>• Up to 12 simultaneous leads</li> </ul>   |
| Dimensions                | <ul style="list-style-type: none"> <li>• 351 × 268,5 × 63 mm, App. 2,7kg</li> </ul>   |
| Recording ECG Leads       | <ul style="list-style-type: none"> <li>• I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6</li> </ul>   |
| Sensitivities             | <ul style="list-style-type: none"> <li>• 5, 10, 20 mm/mV</li> </ul>   |
| Paper Speed               | <ul style="list-style-type: none"> <li>• 10, 25, 50 mm/sec</li> </ul>   |
| Digital Filter            | <ul style="list-style-type: none"> <li>• 0,5 Hz Baseline wandering rejection</li> <li>• 40 Hz/100 Hz Muscle tremor filter</li> <li>• Suppression of superimposed 50/60 Hz sinusoidal interferences</li> </ul>   |
| Liquid Crystal Display    | <ul style="list-style-type: none"> <li>• liquid crystal display for graphic and alphanumeric representation</li> <li>• Resolution: 320 × 240 dot</li> </ul>   |
| Printing Process          | <ul style="list-style-type: none"> <li>• High-resolution thermal printer</li> <li>• 200 dpi (Amplitude axis)</li> <li>• 400 dpi (Time axis)</li> </ul>  |
| Patient Input             | Fully floating and isolated, defibrillation protected   |
| Patient Leakage Current   | < 10 $\mu$ A  |
| ECG Amplifier             | <ul style="list-style-type: none"> <li>• Sampling frequency: 600 Hz</li> <li>• Digital resolution: 5 <math>\mu</math>V</li> <li>• Dynamic range: <math>\pm</math>5 mV</li> <li>• Frequency response: 0.05 to 100 Hz</li> <li>• CMRR: &gt; 100 dB</li> <li>• Input impedance: &gt; 50 M<math>\Omega</math></li> <li>• Simultaneous recording of all 9 active electrode signals(=12 leads)</li> </ul> |
| Safety Standard           | <ul style="list-style-type: none"> <li>• CF according to IEC</li> </ul>   |
| Protection Class          | <ul style="list-style-type: none"> <li>• Class I according to IEC</li> </ul>  |
| Power Supply Requirements | <ul style="list-style-type: none"> <li>• 95-240VAC, 50/60Hz, stand alone operation with built-in rechargeable battery</li> </ul>  |
| Power Consumption         | <ul style="list-style-type: none"> <li>• 12 to 40 Watts (max. 50W)</li> </ul>   |
| Standard Accessories      | <ul style="list-style-type: none"> <li>• 10 leads patient cable, electrode set</li> <li>• Power and ground cable</li> <li>• Recording paper and operation manual</li> </ul>   |

MEDIGATE of Certification



**MEDIGATE**

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