

# SE1010 PC ECG

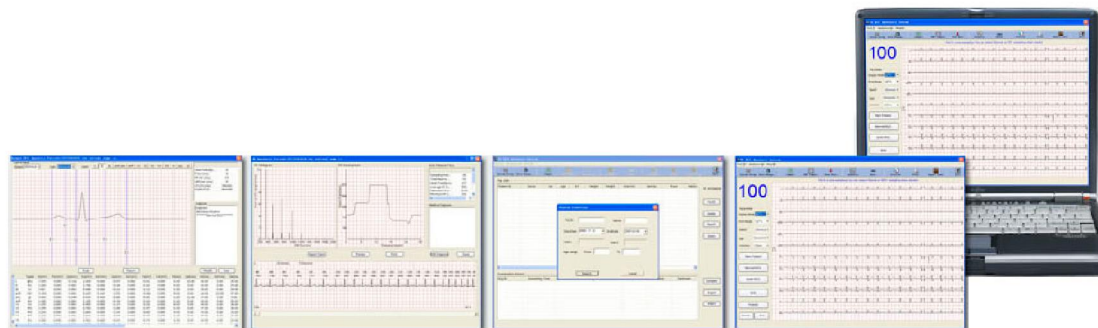
## Features

- Simultaneous 12 lead acquisition and recording
- Economical solution for a 12 channel ECG
- Integrated data sampling module and software making it a compact solution for ECG examinations
- Real time ECG waveforms can be viewed on any PC
- Auto / Manual measurement and interpretation
- Convenient database with as much storage capacity as your PC
- Use a normal printer for ECG printing
- Word, PDF and JPEG reports can be transferred via email
- 30s—360s HRV (Heart Rate Variability) sampling and analysis



The SE1010 PC ECG includes data sampling modules and interpretive software which could be installed on desktop or laptop computer. We provide two solutions for data communication; USB connection (SE1010) or wireless connection (SE1010WL) to meet different requirements of hospitals, doctors surgeries and laboratories.

Responding to the cost pressures within today's medical community, while enhancing diagnostic and administrative performance, we have created the PC based resting ECG. By successfully integrating the individual ECG data sampling module and resting interpretive software installed on PC, into a single system, the SE1010 PC ECG offers the medical professional a complete integrated 12 channel resting ECG System whilst being as portable as a laptop.



Auto / Manual measurement & Interpretation

HRV Analysis

Convenient Database

ECG Monitoring



# SE1010 PC ECG

## Technical Specification

|                          |   |
|--------------------------|---|
| Dimensions:              | 148mm x 100mm x 40mm  |
| Weight:                  | 210g  |
| Connection to PC:        | USB (Wireless with SE1010WL)  |
| Power Supply:            | Direct from 5V DC USB Port  |
| Input Circuit:           | Floating input circuit, protection from Defibrillation and pace maker |
| Lead:                    | 12 leads as standard  |
| Acquisition Mode:        | 12 leads simultaneously   |
| Sampling Rate:           | 1000Hz  |
| A/D Converter:           | 12 Bits   |
| Input Voltage Range:     | +/- 5mVpp   |
| Time Constant:           | >3.2s   |
| Frequency Response:      | 0.05Hz—150Hz  |
| Calibration Voltage:     | 1mV +/-2%   |
| Sensitivity:             | 2.5 / 5 / 10 / 20 / 40 mm/mV  |
| Input Impedance:         | 50M (10Hz)  |
| Input Circuit Current:   | <50nA   |
| Noise Level:             | < 15 $\mu$ Vp-p   |
| Baseline Drift Filter:   | Rolling baseline filter   |
| Patient Leakage Current: | <10 $\mu$ A (220-240V)  |

|                            |  |
|----------------------------|--|
| Patient Auxiliary Current: | <0.1 $\mu$ A (DC)  |
| Filter:                    | EMG filter 25Hz / 35Hz /45Hz / OFF<br>Baseline drift filter<br>Low pass filter 150Hz / 100Hz / 75Hz<br>AC filter 50Hz / 60Hz |
| CMRR:                      | > 110dB  |
| Rhythm Lead:               | Single lead or three leads selectable  |
| Safety Standard:           | IEC II / CF  |

### PC REQUIREMENT

|                   |                                    |
|-------------------|------------------------------------|
| Operation System: | Windows 2000, Windows XP or higher |
| CPU:              | Pentium P4, Celeron D310 or above  |
| RAM:              | 256Mb or above                     |
| HDD:              | 40G or above                       |
| Interface:        | At least 2 free USB ports          |

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