EDAN INSTRUMENTS

# SE-1010

## PC ECG

*PC-based ECG SE-1010 provides you an affordable and portable12-channel ECG solution with powerful data analysis functions*

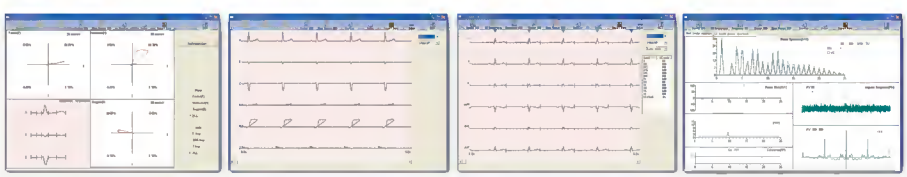
### Features

- Simultaneous 12 leads acquisition
- Real-time ECG waveform display on PC screen
- Auto/Manual measurement and interpretation
- Huge data storage and powerful data management software
- Word, PDF and JPG format reports transferred via E-mail
- Stress test (option)
- 30s-360s HRV analysis
- Advanced analysis functions:VCG,Timed VCG,QT dispersion,Frequency spectrum ECG (option)

### Solution

PC ECG includes a data acquisition module and a set of analysis software installed on desktops or laptops. We provide two solutions for data communication: USB connection (SE -1010) and wireless connection (SE-1010WL, coming soon) to meet different requirements in hospitals, physician offices and laboratories.

Auto/Manual measurement and interpretation | HRV analysis | Powerful database | ECG monitoring



VCG | Timed VCG | QT interval dispersion | Frequency spectrum ECG

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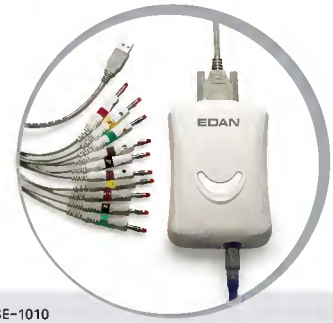


## Technical specifications:

| | SE-1010 |
|---|---|
| Dimensions | 148mm (L) × 100 mm (W) × 40mm (H) |
| Weight | 210g approx. |
| Connection with PC | USB port |
| Power Supply | DC 5V from USB port |
| Input Circuit | Defibrillation protection built-in |
| Lead | Standard 12 leads |
| 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(mm/mV) |
| Input Impedance | 50MΩ (10Hz) |
| Input Circuit Current | ≤ 50nA |
| Noise Level | <15 μ Vp-p |
| Baseline drift filter | Baseline forward and backward filter (patent pending) |
| Patient Leakage Current | < 10 μ A (220V-240V) |
| Patient Auxiliary Current | <0.1 μ A (DC) |
| Filter | EMG filter: 25Hz/35Hz/45Hz/off<br>Baseline drift filter (patent pending): strong/weak/off<br>Lowpass filter: 150Hz/100Hz/75Hz<br>AC filter: 50 Hz/60Hz |
| CMRR | ＞110dB |
| Rhythm Lead | Single lead or three leads selectable |
| Safety Standard | IEC II/CF |

## PC requirement:

| | |
|---|---|
| Operation System | Windows 2000 or Windows XP |
| CPU | Pentium P4, Celeron D 310 or above |
| RAM | 256MB or above |
| HDD | 40G or above |
| Interface | At least 2 USB ports free |

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