

# SE-12 Express

## Twelve-channel ECG

Mounting Solution



Trolley

### Specification

SE-12 Express	
Input Circuit	Defibrillation protection
Lead	Standard 12 leads
Acquisition Mode	Simultaneous 12 lead acquisition (10-24 seconds adjustable)
A/D Converter	24 bits
Input Voltage Range	±5mVpp
Time Constant	≥3.2s
Frequency Response	0.05Hz~150Hz (-3dB)
Calibration Voltage	1mV ± 2%
Sensitivity	2.5, 5, 10, 20, 10/5, AGC (mm/mV)
Input Impedance	≥50MΩ (10Hz)
Input Circuit Current	≤10nA
Noise Level	≤12.5μVp-p
Anti Baseline Drift	Automatic
Patient Leakage Current	NC:<10μA (AC)/10μA (DC) SFC:<50μA (AC)/50μA (DC)
Patient Auxiliary Current	NC:<10μA (AC)/10μA (DC) SFC:<50μA (AC)/50μA (DC)
Filter	EMG Filter: 25Hz/35Hz/45Hz/OFF DFT Filter: 0.05/0.15/0.25/0.5/0.32/0.67Hz Lowpass Filter: 150Hz/100Hz/75Hz AC Filter: 50Hz/60Hz
CMRR	≥115dB
Recording Mode	Auto/Manual/Rhythm/R-R/OFF
Rhythm Lead	Single lead or three leads selectable
Power Supply	AC:100V-240V, 50/60Hz
Battery	Built-in rechargeable Li-ion battery: voltage=14.8V, for about 350 copies ECG printing
Recorder	Thermal printer/External printer
Record Paper	Folded paper, Rolled paper
Paper Width	216mm, 210mm
Record Speed	5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s (±3%)
Dimension	420mmx330mmx120mm
Display	800x600 dots TFT color LCD
External Input/Output	Input: ≥100kΩ; Sensitivity 10mm/V ±5% Output: ≤100Ω; Sensitivity 1V/mV ±5%
Communication Ports	Ethernet, RS232, USB

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## SE-12 Express Twelve-channel ECG



Stress Test  
upgradable

SE-12  
Express

HP  
Printer

Smart  
ECG Viewer

WiFi/LAN

The SE-12 Express offers you both resting and stress solutions with high performance and reliable analysis. One touch operation with barcode scanner and wireless transmission enables to streamline your workflow.

### User-friendly Design

- 12.1" high resolution color touch screen with grid display
- Alphanumeric keyboard
- Streamlined Workflow
- One-touch operation with age and gender shortcuts
- Support barcode scanner to simplify workflow

### Accurate Clinical Performances

- Weak signal detection with the most advanced 24 bits A/D converter technology
- Anti-noise technology with comprehensive filters and the high CMRR over 115dB
- 120s real-time ECG waveforms freezing and review to assist your diagnosis
- Automatic measurements and interpretation tested by CSE/AHA/MIT database
- Extend printing once arrhythmia is detected to further your rhythm analysis
- Integrated advanced ECG analysis: Vector ECG

### Flexible Printing Solutions

- Built-in high resolution thermal recorder to print on normal thermal paper and A4 size fax paper
- External USB printer support

### Data Management

- 200 ECGs internal memory which can be enlarged by USB flash disk
- Smart ECG Viewer software for data management on PC (option)

### Extensive Communications

- DATA transmitting to PC via LAN/WIFI
- Standard ECG formats: PDF, SCP, FDA-XML and DICOM data export
- Bi-directional data communication with DMS

### Stress Test (Option)

- Compatible with reputable treadmills and bicycles
- Support exercise blood pressure monitor
- Customized exercise protocols in addition to Bruce and Modified Bruce



Streamlined Workflow  
EGG Reports  
Patient Information



### PC-based ECG data management software



### Smart ECG Viewer

Intuitive interface to improve your work efficiency

