

SE-1/SE-3

Electrocardiograph



SE-1/SE-3
Electrocardiograph



About Edan

Edan is a healthcare company dedicated to improving the human condition around the world by delivering value-driven, innovative and high-quality medical products and services. For over 20 years, Edan has been pioneering a comprehensive line of medical solutions that address a broad range of healthcare practices including:

- Diagnostic ECG
- Patient Monitoring
- OB/GYN
- Ultrasound Imaging
- Point-of-Care Testing
- *In-Vitro* Diagnostics
- Veterinary

Healthcare professionals around the world depend on Edan's breakthrough medical technologies and outstanding customer support.



A world of potential

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ENG-ECG-SE-1&SE-3
V1.0-20200226



A world of potential

SE-3 Series

3-Channel Electrocardiograph



SE-3 (Color)

User-friendly Design

- Foldable LCD screen, vivid waveform display
- Built-in rechargeable Li-ion battery, AC/DC power supply

Streamlined Workflow

- Support barcode scanner to simplify patient information input
- One-button operation
- Auto/Manual/Rhythm/Off work modes
- Automatic baseline adjustment
- Lead-off detection and alarm

Accurate Clinical Performances

- 12-lead simultaneous acquisition with optional 24-bit A/D converter
- Anti-noise technology with comprehensive filters and the high CMRR over 110dB(optional)
- Automatic ECG measurements and interpretation tested with CSE/AHA/MIT databases
- Complete digital filters, resisting baseline drift, AC and EMG interference
- Extended printing once arrhythmia is detected to further your rhythm analysis



Flexible Printing Solutions

- Built-in high-resolution thermal printer
- Grid printing on normal thermal paper
- 12-lead grid printing on normal A4 paper through external printer

Data Management

- Internal storage up to 500 ECGs and can be enlarged by USB flash disk
- Data transmission to PC via series port/LAN/USB
- Report formats: PDF and optional SCP/FDA-XML/DICOM data export
- PC-based ECG data management software (optional)



SE-3 (Monochrome)



ECG Reports
Streamlined Workflow
Patient Information



SE-1515 Data Management System is able to export multi-formats reports: XML/SCP/PDF/DICOM/JPG/BMP.

Patient information can be automatically transferred from SE-1515 Data Management System to SE-3, typo error can be avoided. You can upload reports to SE-1515 Data Management System automatically to manage your data, which provide a convenient method to share, review, edit and diagnose ECG reports between different doctors.



SE-1 1-Channel Electrocardiograph

- Vivid waveform with foldable LCD display
- Built-in high resolution thermal printer
- Built-in rechargeable Li-ion battery, AC/DC power supply
- Well designed membrane keyboard

- Digital filters, resisting baseline drift, AC and EMG interference
- Automatic baseline adjustment
- Auto/Manual work mode
- Lead-off detection and alarm



SE-12 Express

Electrocardiograph



SE-12 Express
Electrocardiograph



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ENG-ECG-SE-12 Express
V1.0-20200226



SE-12 Express

12-Channel Electrocardiograph

User-friendly Design

- 12.1" high resolution color touch screen
- Alphanumeric keyboard

Streamlined Workflow

- One-touch operation
- Support linear/2D barcode scanner to simplify workflow

Accurate Clinical Performances

- Weak signal detection with the advanced 24-bit A/D converter technology
- Anti-noise technology with comprehensive filters and high CMRR over 140dB
- 120s real-time ECG waveform freezing and review to assist diagnosis
- The 0.01-300Hz bandwidth for pediatric patients according to AHA's recommendation
- The 16,000Hz sampling frequency maximizes the confidence in detecting pacemaker signal
- Built-in Glasgow ECG Interpretation

Flexible Printing Solutions

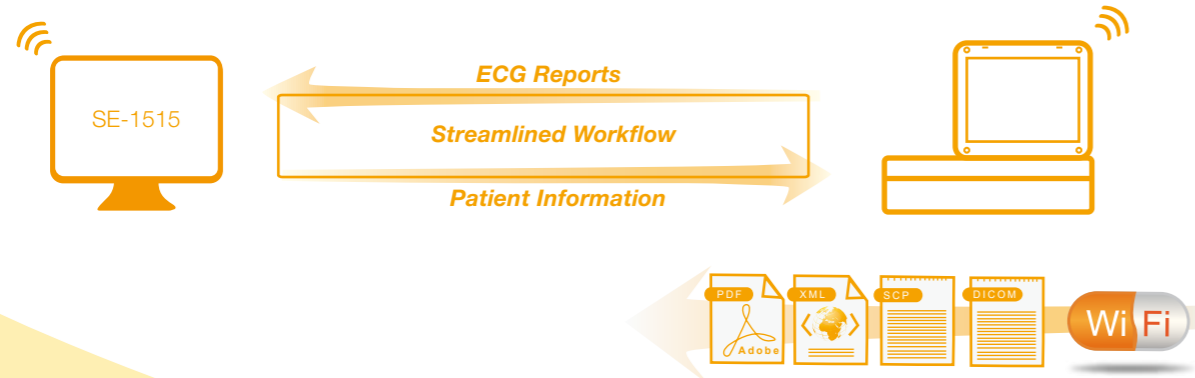
- Built-in high resolution thermal recorder
- Support external USB printer

Data Management

- Internal storage up to 800 ECGs and can be enlarged by USB flash disk and SD card
- Optional SE-1515 Data Management System to construct your ideal network solution
- Data transmission to PC via series port/LAN/built-in Wi-Fi
- Report formats: PDF and optional SCP/FDA-XML/DICOM data export

Stress Test (Optional)

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



Optional Stress ECG

SE-12 Express

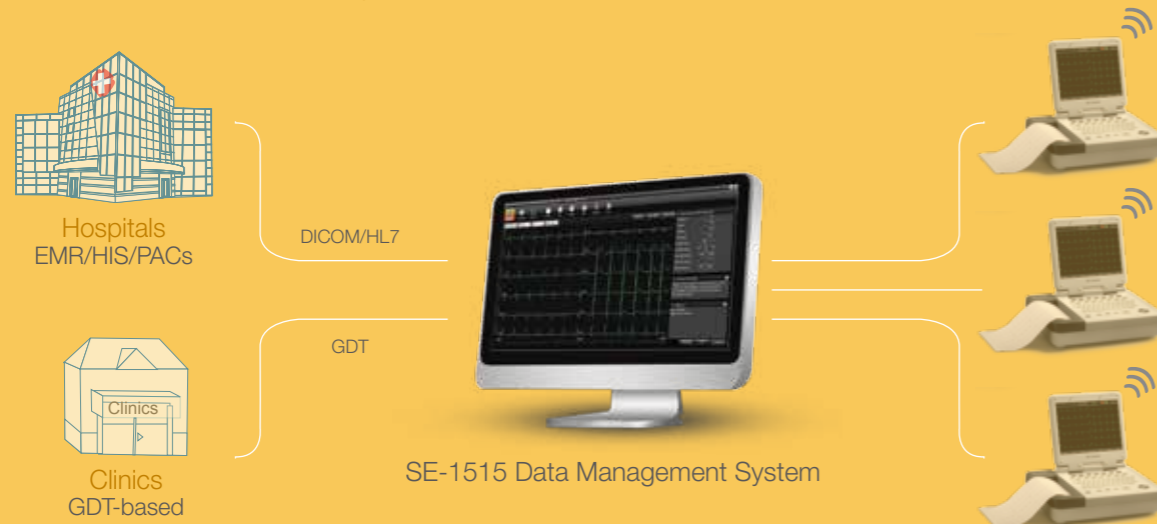
Flexible Printing

WiFi / LAN

Data Management Solutions

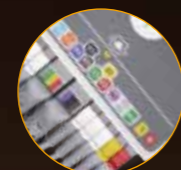


Seamless Connectivity

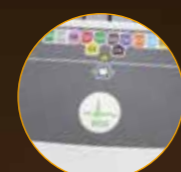


Network your ECG data with the help of EDAN SE-1515 Data Management System

- Bi-directional communication with ECG machines on worklist and reports
- Cardiac consultation upon ECG reports over database sharing
- Multiple report formats output including PDF, XML, SCP, DICOM, JPG, BMP, and DOC
- Data access with HIS/EMR/PACs/CIS based on HL7/DICOM/GDT protocol



Color-coded Lead Wires



One-button Start/Stop



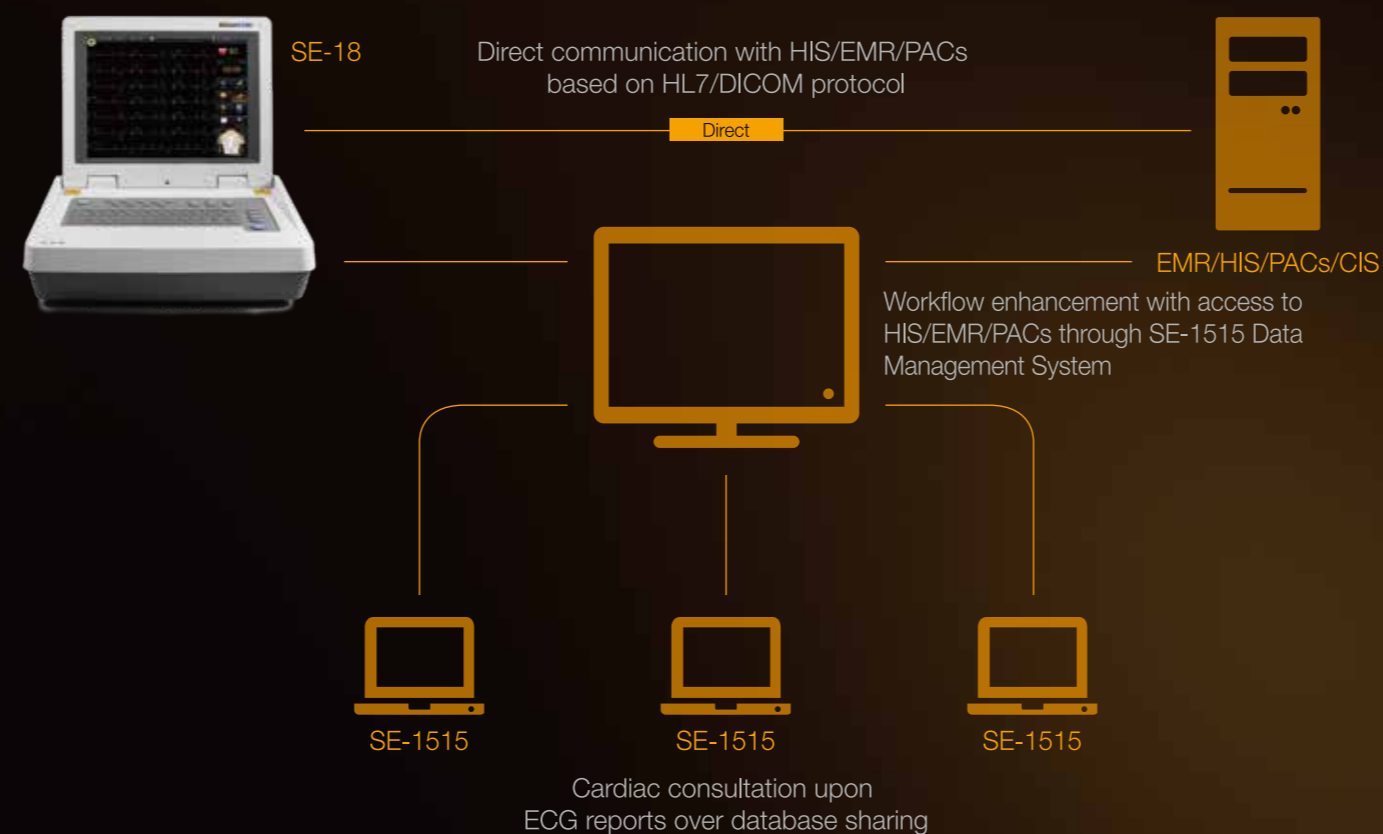
LED Signal Quality Indicator

Maximized Performance

The DE18 sampling box combines multiple ranking technologies in one, presenting maximized performance with minimized signal distortions.

- 64,000 Hz Sampling Rate: Maximizes signal fidelity, especially for pacemaker detection.
- 24 bit A/D Converter: Maximizes signal resolution.
- 140 dB CMRR: Minimizes signal distortions.
- 0.01~500 Hz Bandwidth: Minimizes signal loss for pediatric diagnosis.

Streamlined Data Connectivity



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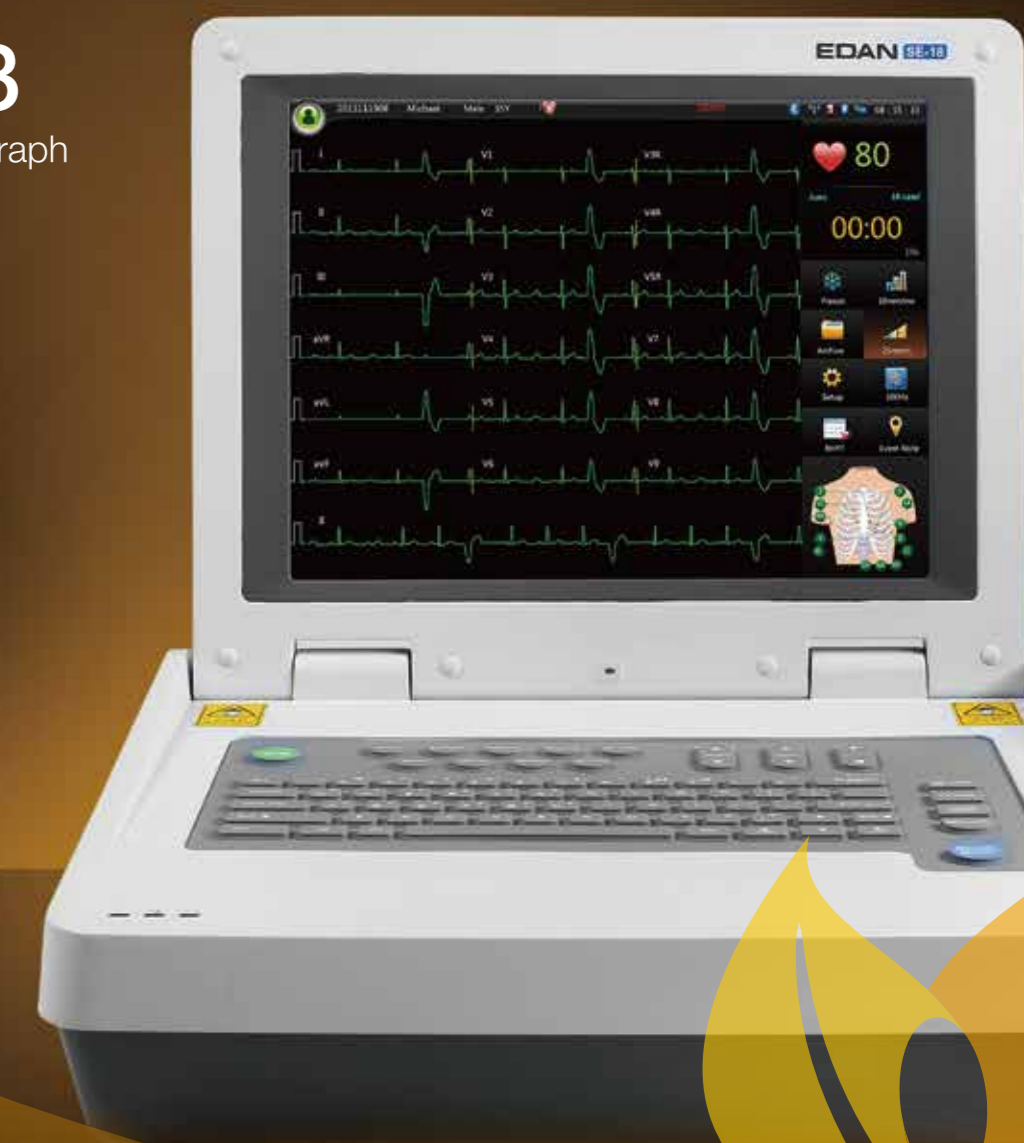


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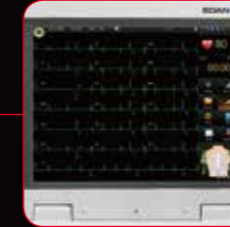
Professional Workstation for Clinical Excellence

SE-18 Electrocardiograph





The deluxe 15" touch screen presents a gorgeous trace view, coming along with easy operations on an on-screen toolbar with customizable hotkeys.



The waterproof alphanumeric keyboard enables easy cleaning and sterilization, while introducing a smooth input experience to your daily practice.



A rich interface containing VGA, USB, and SD card slot is embedded, maximizing external connectivity to standalone display, flash drives, keyboard, and mouse.



With the help of the smart light sensor, the screen brightness may change automatically, providing optimal visibility adapts to different environment lights.



Comprehensive Solutions for Cardiac Practice

SE-18, as a professional ECG workstation, provides a comprehensive set of cardiac diagnosis tools, delivering cutting-edge technologies to support your clinical decisions in cardiac practice.

- 18/15-lead Resting ECG for MI Diagnosis
- 12-lead Standard Resting ECG
- 9-lead Resting ECG Specially Designed for Neonates
- Pharma Study
- Vector ECG & Timed Vector ECG (VCG&TVCG)
- Signal Average ECG (SAECG)
- Heart Rate Variability (HRV)
- ST-view (Intuitive Display of ST-segment)

Exceptional Diagnosis Supports in Unexceptional Cases

Long-time Sampling

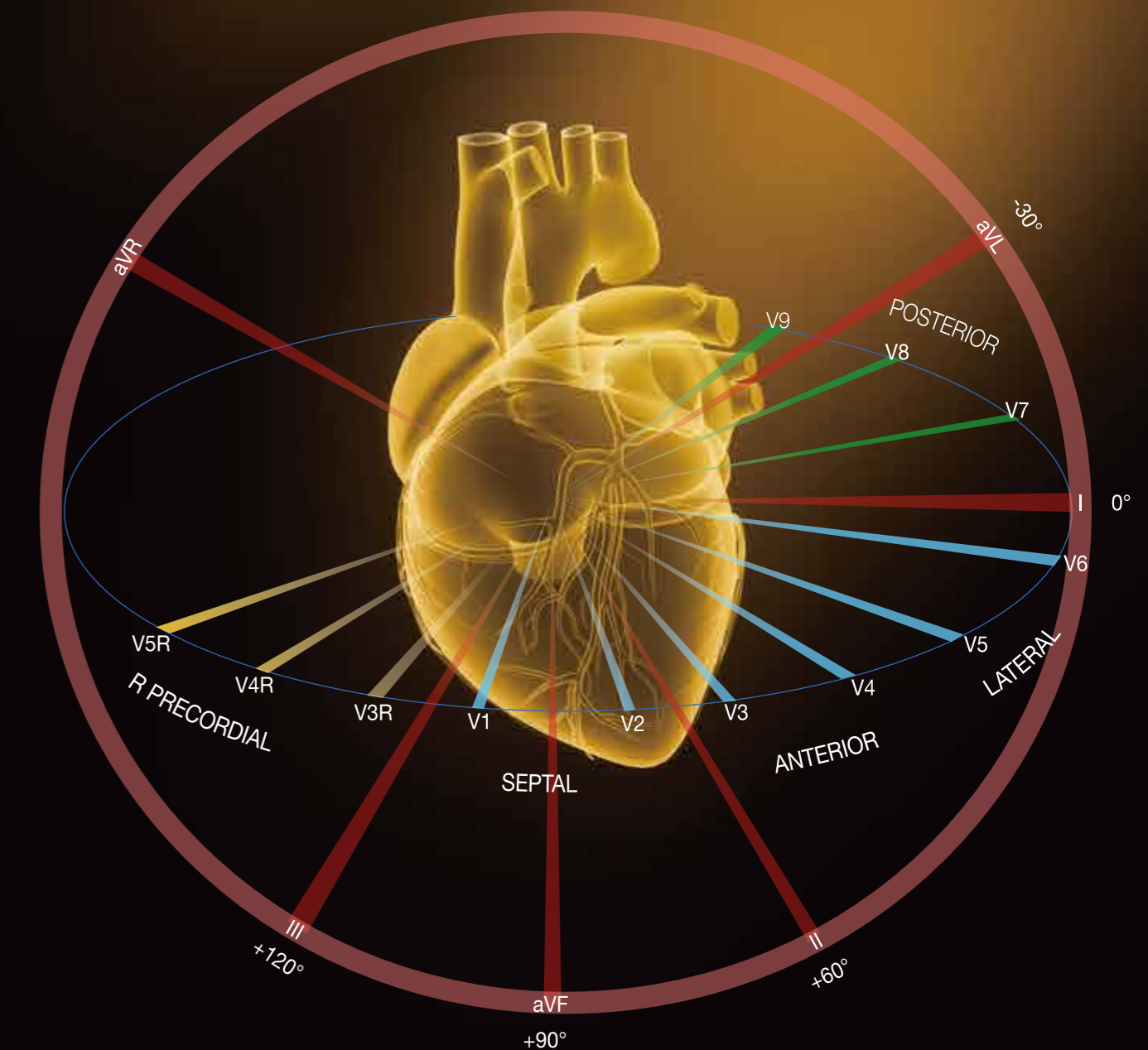
For certain cases in which a prolonged practice is required, an 1800 seconds recording could be applied, to help with either pretreatment diagnosis or post-treatment evaluations.

Auto Arrhythmia Detection

Arrhythmia trace segments could be highlighted on display with automatic saving strips for further analysis.

On-screen Diagnosis

Designed as an "All-in-One" workstation, SE-18 allows a complete paperless workflow with all measurements and diagnosis on screen, correctly and coherently. Any waveform segments can be amplified and measured. Any report can be edited and confirmed. Any two reports can be selected and compared.



Choose the Right Treatment at the Right Time

"Caution is advised in patients with known inferior wall STEMI, and a right-sided ECG should be performed to evaluate RV infarction."

2010 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science

Because the 12-lead standard ECG only infers the signal of anterior/ septal/ lateral wall, while posterior/right precordial wall signal is not covered by any of the leads, the 12-lead diagnosis of posterior infarction is often not informative.

The 18/15-lead ECG brings more information on right precordial and posterior wall, helping doctor find the accurate location of the myocardial infarction or ischemia, and apply right treatments, preventing possible tissue death.

SE-100/SE-300

Electrocardiograph



SE-100/SE-300
Electrocardiograph



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ENG-ECG-SE-100&SE-300
V1.0-20200226



SE-300 Series

3-Channel Electrocardiograph



SE-300B



SE-300A



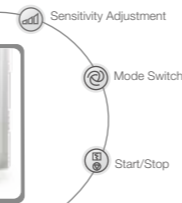
12-lead Waveforms Display



Portable Design



One-button Operation



User-friendly Design

- Vivid waveform display
- Built-in rechargeable Li-ion battery, AC/DC power supply

Streamlined Workflow

- Support barcode scanner to simplify patient information input
- One-button operation
- Auto/Manual/Rhythm/Off work modes
- Automatic baseline adjustment
- Lead-off detection and alarm

Accurate Clinical Performances

- 12-lead simultaneous acquisition with optional 24-bit A/D converter
- Anti-noise technology with comprehensive filters and the high CMRR over 110dB(optional)
- Automatic ECG measurements and interpretation tested with CSE/AHA/MIT databases
- Complete digital filters, resisting baseline drift, AC and EMG interference
- Extended printing once arrhythmia is detected to further your analysis

Flexible Printing Solutions

- Built-in high-resolution thermal printer
- Grid printing on normal thermal paper
- 12-lead grid printing on normal A4 paper through external printer

Data Management

- Internal storage up to 500 ECGs and can be enlarged by USB flash disk
- Data transmission to PC via series port/LAN/USB
- Report formats: PDF and optional SCP/FDA-XML/DICOM data export
- PC-based ECG data management software (optional)



SE-1515 Data Management System is able to export multi-formats reports: XML/SCP/PDF/DICOM/JPG/BMP.

Patient information can be automatically transferred from SE-1515 Data Management System to SE-300, typo error can be avoided. You can upload reports to SE-1515 Data Management System automatically to manage your data, which provide a convenient method to share, review, edit and diagnose ECG reports between different doctors.



SE-100 1-Channel Electrocardiograph

- Vivid waveform display
- Built-in high resolution thermal printer
- Built-in rechargeable Li-ion battery, AC/DC power supply
- Well designed membrane keyboard
- Digital filters, resisting baseline drift, AC and EMG interference
- Automatic baseline adjustment
- Auto/manual work mode
- Lead-off detection and alarm



Carrying Bag



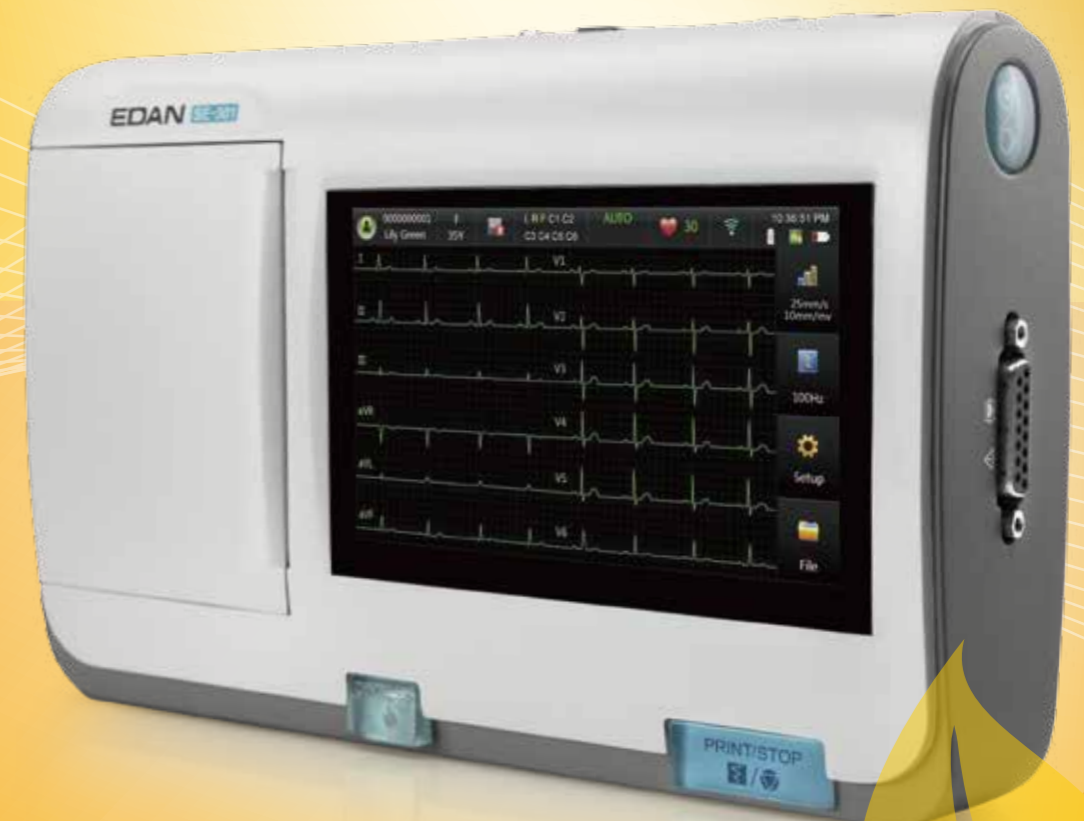
Rolling Stand

SE-301

Electrocardiograph



SE-301
Electrocardiograph



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- *In-Vitro* Diagnostics
- Veterinary

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SE-301

3-Channel Electrocardiograph

SE-301 is the new generation 3-channel ECG, which incorporates the benefits of the advanced technology and innovative design in an extremely compact and lightweight device. It is specifically developed for those who pursue superb portability without compromising on the quality for mobile environments. A variety of fantastic features are embodied in an amazing small body, making it more than just a 3-Channel ECG.



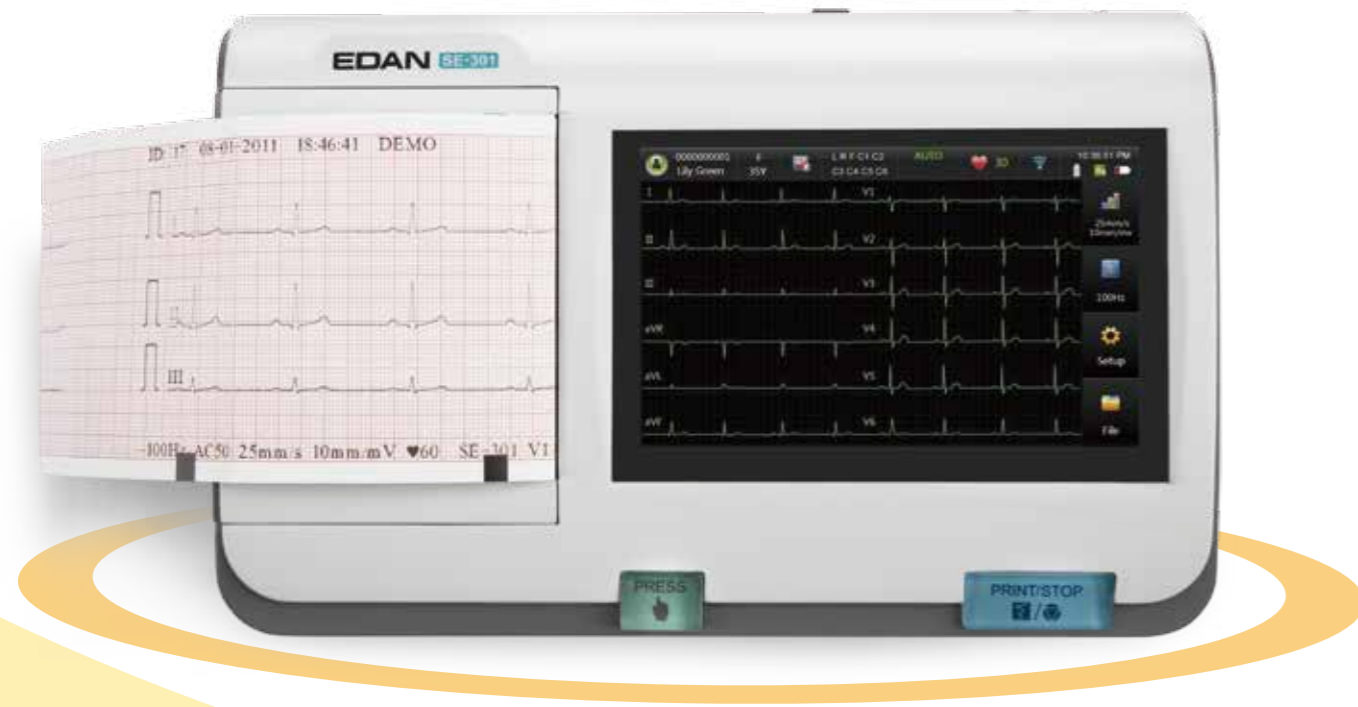
Less than 1 kg



Full-touch Operation



One-button Operation



Convenient Information Communication

Powerful External Device Support

SE-301 arms with two USB ports and one microSD card slot, which extends its capability by supporting various external devices such as barcode scanner, external printer, USB Memory Drive as well as microSD card.

Bi-directional Communication with Data Management System

Via the LAN, build-in Wi-Fi or built-in GSM/GPRS cellular modem, SE-301 is able to receive orders from SE-1515 Data Management System and transmit ECG reports back to have further analysis, editing, saving or printing.

Multi-format Report

SE-301 is able to export ECG reports in standard PDF format and optional SCP, XML and DICOM format, which offers you greater capability in integrating the ECGs into different data management systems.



All for a reliable result

CMRR

A high Common Mode Rejection Ratio up to 140dB restrains signal noises to the greatest extent, thus offers you traces with excellent quality.

Bandwidth

A wide bandwidth from 0.01 to 300 Hz guarantees the accuracy of the ECG signal as well as the interpretation especially for pediatric patients.

Sampling Rate

The leading sampling rate as high as 16,000 Hz aims at capturing all the details to generate precise result.

Signal Quality Detection

By showing different colors to indicate normal, poor or missing signals, this function helps you to identify the signal quality even at a glance.

Reliable ECG Algorithm

SEMIP® ECG algorithm offers you an accurate and reliable reference to maximize clinicians' confidence in making diagnosis. Glasgow Algorithm with specialized Children ECG Interpretation is also optional for SE-301.

SE-601 Series

Electrocardiograph



SE-601 Series

Electrocardiograph



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ENG-ECG-SE-601 series
V1.0-20200226



SE-601 Series

Multi-channel Electrocardiograph



User-friendly Design

- Compact and portable design
- 5.6" high resolution color touch screen(optional)
- Alphanumeric keyboard

Streamlined Workflow

- One-touch operation
- Support barcode scanner to simplify workflow (for SE-601B/C)

Accurate Clinical Performance

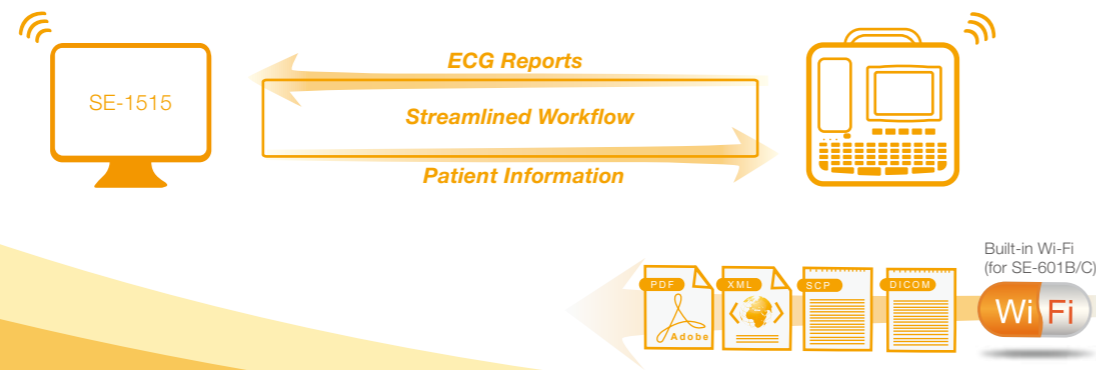
- 12 leads simultaneous acquisition
- Sampling rate as high as 16,000 Hz aims at capturing all the details to generate precise result
- Weak signal detection with the advanced 24-bit A/D converter technology
- Anti-noise technology with comprehensive filters and the high CMRR over 140dB
- Bandwidth from 0.01 to 300 Hz guarantees the interpretation especially for pediatric patients
- Extend printing once arrhythmia is detected to further your rhythm analysis
- Automatic measurements and interpretation tested with CSE/AHA/MIT database
- Optional Glasgow Algorithm with specialized Children ECG Interpretation

Data Management

- Internal storage up to 800 ECGs and can be enlarged by USB flash disk
- SE-1515 software for data management on PC (optional)
- Report formats: PDF(for SE-601B/C) and optional
- SCP/FDA-XML/DICOM data export



SE-601C With Rolling Stand
(5.6" Color Touch Screen)



SE-601A
(3.5" Monochrome LCD Display)



SE-601B
(5.6" Color LCD Display)

Seamless Connectivity



Network your ECG data with the help of EDAN SE-1515 Data Management System

- Bi-directional communication with ECG machines on worklist and reports
- Cardiac consultation upon ECG reports over database sharing
- Multiple report formats output including PDF, XML, SCP, DICOM, JPG, BMP, and DOC
- Data access with HIS/EMR/PACs/CIS based on HL7/DICOM/GDT protocol

SE-1200 Express

Electrocardiograph



SE-1200 Express

Electrocardiograph



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- Ultrasound Imaging
- Point-of-Care Testing
- *In-Vitro* Diagnostics
- Veterinary

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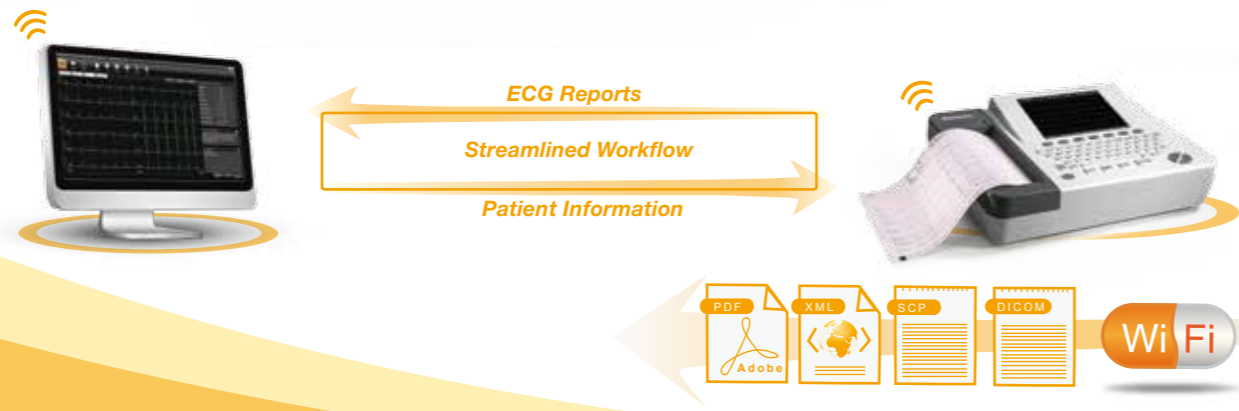
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SE-1200 Express

12-Channel Electrocardiograph



SE-1200 Express



User-friendly Design

- 8" high resolution color touch screen
- Alphanumeric keyboard

Streamlined Workflow

- One-touch operation with age and gender shortcuts
- Support linear/2D barcode scanner to simplify workflow

Accurate Clinical Performances

- Weak signal detection with the advanced 24-bit A/D converter technology
- Anti-noise technology with comprehensive filters and high CMRR over 140dB
- ECG Signal Quality Indication
- 120s real-time ECG waveform freezing and review to assist diagnosis
- Automatic measurements and interpretation tested with CSE/AHA/MIT databases
- Extend printing once arrhythmia is detected for further rhythm analysis
- Built-in Glasgow Interpretation
- Advanced ECG analysis: Vector ECG (optional)

Flexible Printing Solutions

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

Data Management

- Internal storage up to 800 ECGs and can be enlarged by USB flash disk
- SE-1515 Data Management System software for data management on PC (optional)

Extensive Communications

- DATA transmitting to PC via LAN/ internal Wi-Fi (Wi-Fi is optional)
- Report formats: PDF and optional SCP/FDA-XML/DICOM data export
- Bi-directional data communication with DMS

★ We still offer a basic version of SE-1200 Express to help with your budget limitation.



SE-1200 Express(Basic)

Seamless Connectivity



Network your ECG data with the help of EDAN's SE-1515 Data Management System in the same LAN. It is convenient to share, review, edit and diagnose ECG reports between different doctors. Meanwhile, with the help of Smart ECG Viewer, EDAN SE-1200 Express series are able to access EMR/PACs/GDT-based Systems via the standard protocols: DICOM Worklist/HL7/GDT.

Hospital System Access

Patient information (worklist) will be transmitted from hospital systems to ECG machines. Meanwhile, reports or final diagnostic results will be uploaded to hospital systems for archiving.

Standard Communication Protocols

HL7/DICOM worklist are supported on SE-1515 Data Management System.

SE-1201 Electrocardiograph



SE-1201
Electrocardiograph



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SE-1201

12-Channel Electrocardiograph



User-friendly Design

- 7" high resolution color touch screen
- Alphanumeric keyboard

Streamlined Workflow

- One-touch operation
- Support barcode scanner to simplify workflow

Accurate Clinical Performances

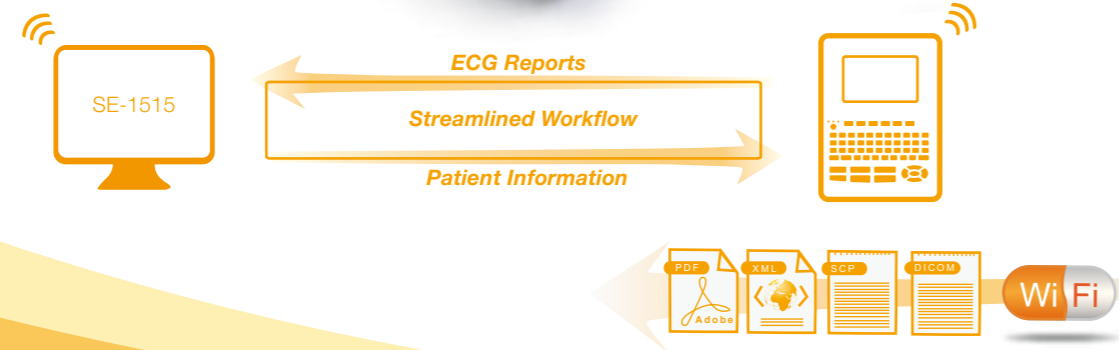
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- Anti-noise technology with comprehensive filters and high CMRR over 140dB
- 120s real-time ECG waveform freezing and review to assist diagnosis
- The 0.01-300Hz bandwidth for pediatric patients according to AHA's recommendation
- The 16,000Hz sampling frequency maximizes the confidence in detecting pacemaker signal
- Built-in Glasgow ECG Interpretation

Flexible Printing Solutions

- Built-in high resolution thermal recorder
- Support external USB printer

Data Management

- Internal storage up to 800 ECGs and can be enlarged by USB flash disk and SD card
- Optional SE-1515 Data Management System to construct your ideal network solution
- Data transmission to PC via series port/LAN/built-in Wi-Fi
- Report formats: PDF and optional SCP/FDA-XML/DICOM data export

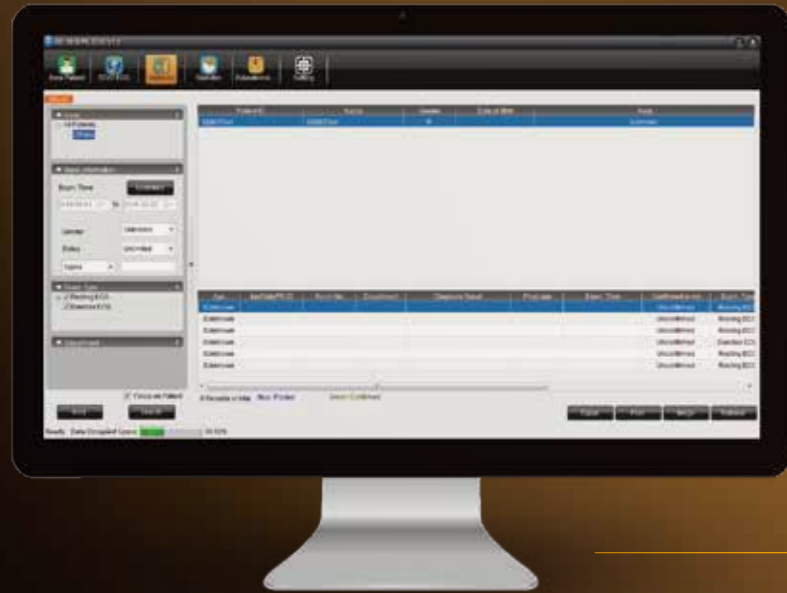


Seamless Connectivity



Network your ECG data with the help of EDAN SE-1515 Data Management System

- Bi-directional communication with ECG machines on worklist and reports
- Cardiac consultation upon ECG reports over database sharing
- Multiple report formats output including PDF, XML, SCP, DICOM, JPG, BMP, and DOC
- Data access with HIS/EMR/PACs/CIS based on HL7/DICOM/GDT protocol

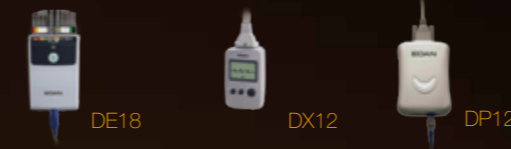


Centralized ECG Explorer

Besides ECG examinations, the SE-1515 also performs as a data management system, streamlining your workflow for all the Resting ECG, Stress ECG and Holter practice with optimized interoperability.

- Bi-directional communication with ECG machines on worklist and reports.
- Cardiac consultation upon ECG reports over database sharing.
- Multiple report formats output including PDF, XML, SCP, DICOM, JPG, BMP, and DOC.
- Data access with HIS/EMR/PACs/CIS based on HL7/DICOM/GDT protocol.

SE-1515 Sampling Boxes



Sampling Box	Description	Benefits
DE18	18/16/15/12/9-lead Wired Sampling Box	Multi-functional Top ranking performances
DX12	12/9-lead Wireless Sampling Box	Compact design Bluetooth connection
DP12	12/9-lead Wired Sampling Box	Compatible with Vacuum System

DE18 Applications

ECG Test	Description	Benefits
18/16/15-lead Resting ECG (18-lead sampling is only available on DE18)	12-lead + V3R/V4R/V5R/V7/V8/V9	Direct examination of the right ventricle Direct examination of the posterior basal and lateral walls of the left ventricle Confirm the presence of AMI Provide accurate reflection of the true extent of myocardial damage
12-lead Resting ECG & Stress ECG	Wilson Lead System	Regular diagnosis
9-lead Resting ECG	I, II, III, aVL, aVR, aVF, V1, V3, V5	Pediatric & neonatal applications

About Edan

Edan is a healthcare company dedicated to improving the human condition around the world by delivering value-driven, innovative and high-quality medical products and services. For over 20 years, Edan has been pioneering a comprehensive line of medical solutions that address a broad range of healthcare practices including:

- Diagnostic ECG
- Patient Monitoring
- OB/GYN
- Ultrasound Imaging
- Point-of-Care Testing
- *In-Vitro* Diagnostics
- Veterinary

Healthcare professionals around the world depend on Edan's breakthrough medical technologies and outstanding customer support.



A world of potential

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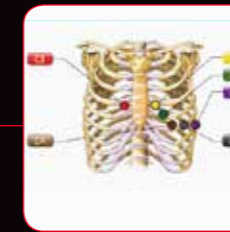
Boost Your Productivity in All Respects

SE-1515 PC ECG





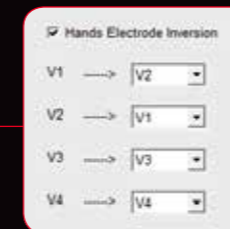
The color-coded lead map and the color-coded ECG waveforms facilitate instant signal quality indications.



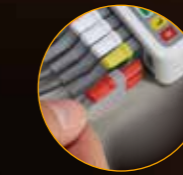
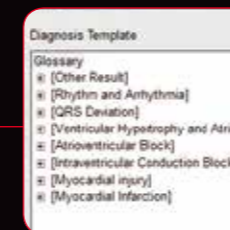
Arrhythmia segments can be detected, highlighted, and saved automatically.



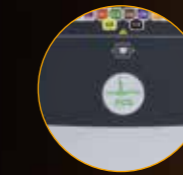
Clinicians can correct the lead reversal on PC even after ECG acquisition.



The built-in ECG glossary consists of rich diagnostic templates with detail feature descriptions and integrated diagnostic results, which helps clinicians draw conclusion effectively and efficiently.



Color-coded Lead Wires



One-button Start/Stop



LED Signal Quality Indicator



Sophisticated All-in-1 Workstation

The SE-1515 integrates comprehensive ECG solutions into one elegant PC-based platform. The versatile PC software, combining with the exquisite ECG sampling boxes, provides efficient access to diverse applications:

- 18/16/15/12/9-lead Resting ECG
- 12-lead Wired or Wireless Stress ECG
- ECG Data Management
- ECG Network Gateway

Clinically Oriented Methodologies

The up-to-date clinical methodologies boost your productivity in each and every ECG test with practical workflow, reliable Glasgow algorithm, and rich outputs.

Resting ECG: Support up to 30 minutes ECG acquisition with full disclosure waveforms. VCG, TVCG, analysis are also available for corresponding applications.

Stress Test: Support unlimited user-defined protocols with automatic 12-lead reports. ST assessment, METs, Double Product, Duke Score and FAI% are also included to render you an integrated report.

Maximized Performance

The DE18 and DP12 sampling boxes combine multiple ranking technologies in one, presenting maximized performance with minimized signal distortions.

- 16,000 Hz Sampling Rate: Maximize signal fidelity.
- 24 bit A/D Converter: Maximize signal resolution.
- 140 dB CMRR: Minimize signal distortions.
- 0.01~300 Hz Bandwidth: Minimize signal loss for pediatric diagnosis.