

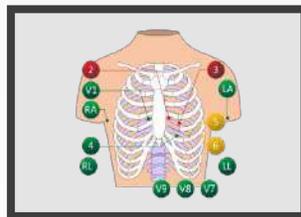
# SE-1202

## ECG Machine

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10.1" Touch Screen & On-screen Toolbar with Customizable Hotkeys



Auto Lead Placement Detection



Waterproof Keys for Effortless Sterilization

The Edan SE-1202 provides a comprehensive set of cardiac diagnosis tools, delivering cutting-edge technologies to support your clinical decisions. The SE-1202 is equipped with an exquisite glass-covered surface which supports easy cleaning and disinfection. Powerful hardware and soft tools ensure excellent performance in each practice.

## Features:

- 10.1" Touch screen
- 1000 ECG test storage
- Pacemaker detection
- Auto arrhythmia detection
- 12-lead standard resting ECG
- 9-lead resting ECG tailored for neonates
- Vector ECG & timed vector ECG (VCG&TVCG)
- Signal-average ECG (SAECG)
- Heart Rate Variability (HRV)
- ST-view (Intuitive Display of ST-segment)
- File export for PDF, JPG, FDA XML, DICOM ECG Waveform/Worklist, HL7



## Exceptional Diagnostic Support

### Long-time Sampling

- To assist with pre-treatment diagnosis or post-treatment evaluations, an extended practice session of 1800 seconds can be utilized.

### Enhancing ECG Accuracy

- Innovative color visualization for precise lead placement detection.

### Auto Arrhythmia Detection

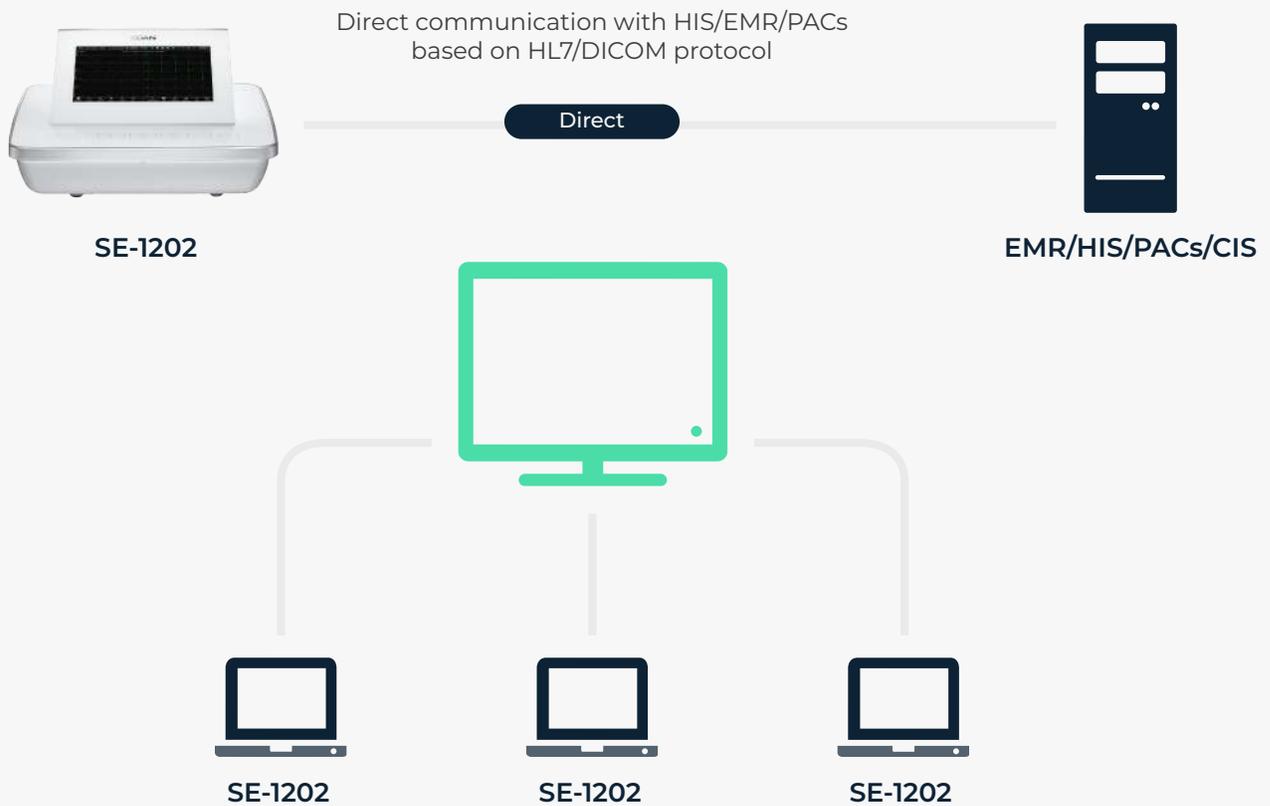
- Segments of arrhythmia traces can be emphasized on display, with automatic saving strips for further analysis.



# On-Screen Diagnosis

Designed as an “All-in-One” workstation, the SE-1202 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.

## Streamlined Data Connectivity



Workflow enhancement with access to HIS/EMR/PACs through SE-1515 Data Management System

# Specifications

## PHYSICAL SPECIFICATION

Device Dimension:  
400 mm×360 mm×90 mm

Weight:  
≤6.5 kg (Excluding recorder  
paper and battery), ±0.3 kg

## DISPLAY

Screen Size: 10.1"  
Resolution:  
280×800 multicolor LCD Screen  
The display can be flipped 25 degrees  
clockwise.

## POWER SUPPLY

Mains Supply:  
Operating Voltage  
= 100V-240V~  
Operating Frequency  
= 50Hz/60Hz  
Input Current  
= 0.9A ~ 0.4A

Internal Lithium Battery:  
Typical Capacity: 2500 mAh  
100% Recharge: 3 hours  
90% Recharge: 2.5 hours  
Typical Capacity: 5000 mAh  
100% Recharge: 6 hours  
90% Recharge: 5 hours

When the battery is fully charged and  
SE-1202 operates at 23°C (±3°C),  
the performance is as follows.

## RECORDING

Recorder:  
Thermal dot-matrix recorder  
Printing Density:  
8 dots per mm / 200 dots per  
inch (amplitude axes)  
40 dots per mm / 1000 dots per  
inch (time axes, @ 25 mm/s)

Recorder Paper:  
Folded thermal paper: 210  
mm×295 mm×100 pages  
Folded thermal paper: 215  
mm×280 mm×100 pages  
Folded thermal paper: 210  
mm×295 mm×200 pages

Effective Width:  
210 mm

Paper Speed:  
5 mm/s, 6.25 mm/s, 10 mm/s,  
12.5 mm/s, 25 mm/s, 50 mm/s  
(±3%)

## HR

HR Range: 30 bpm ~300 bpm  
Accuracy: ±1 bpm

## ECG

Leads: 9 or 12 standard leads  
Acquisition Mode:  
9 or 12 leads acquisition simultaneously  
Analog-to-Digital Converter:

Sampling Frequency:  
64,000 /sec/channel

A/D:  
24 bits

Resolution:  
0.1192 μV/LSB

Time Constant:  
≥ 5s

Frequency Response:  
0.01~350Hz(-3dB)

Gain:  
1.25 mm/mV, 2.5 mm/mV, 5  
mm/mV, 10 mm/mV, 20  
mm/mV,  
10/5 mm/mV, AGC (mm/mV),  
±5%

Input Impedance: ≥100 MΩ (10Hz)  
Input Circuit Current: ≤0.01 μA  
Input Voltage Range: ≤±5 mVpp  
Calibration Voltage: 1 mV±2%  
DC Offset Voltage: ±900 mV, ±5%  
Minimum Amplitude: 20 μVp-p (10Hz)  
Noise: ≤12.5 μVp-p  
Multichannel crosstalk: ≤0.5 mm

## PACEMAKER DETECTION

Amplitude: ±500μV to ±700mV  
Width: 30μs to 2.0ms  
Sampling Frequency:  
80,000 /sec/channel, Rhythm Lead

## WIFI (OPTION)

Radio Technology: 802.11 a/b/g/n  
Frequency Range:  
FCC: 2412 MHz ~ 2462 MHz, 5180  
MHz ~ 5825 MHz  
CE: 2412 MHz ~ 2472 MHz, 5180  
MHz ~ 5825 MHz

Modulation:  
DBPSK, DQPSK, CCK, BPSK,  
QPSK, 16-QAM, 64-QAM

Output Power:  
<20 dBm (CE requirement:  
detection mode - RMS)  
<30 dBm (FCC requirement:  
detection mode - peak power)

Transmit rate:

IEEE 802.11b: 1 Mbps to 11 Mbps  
IEEE 802.11g: 6 Mbps to 54 Mbps  
IEEE 802.11n: 6.5 Mbps to 72.2 Mbps  
IEEE 802.11a: 6 Mbps to 54 Mbps  
Bandwidth:  
2.4 GHz & 5 GHz  
20 MHz

## 4G (OPTION)

Bands:  
FDD LTE: Band 1, Band 2,  
Band 3, Band 4, Band 5,  
Band 7, Band  
8, Band 20, all bands with  
diversity  
WCDMA/HSDPA/H  
SUPA/HSPA+: Band 1, Band  
2, Band 5, Band  
8, all bands with diversity

GSM/GPRS/EDGE: 850  
MHz/900MHz/1800  
MHz/1900 MHz

Rate:  
GPRS: UL 85.6 kbit/s; DL  
85.6 kbit/s  
EDGE: UL 236.8 kbit/s; DL  
236.8 kbit/s  
WCDMA CS: UL 64 kbit/s;  
DL 64 kbit/s  
WCDMA PS: UL 384 kbit/s;  
DL 384 kbit/s  
HSPA+: UL 5.76 Mbit/s; DL  
21.6 Mbit/s  
DC-HSPA+: UL 5.76 Mbit/s;  
DL 42 Mbit/s  
LTE FDD: UL 50 Mbit/s; DL  
150 Mbit/s@20M BW cat4