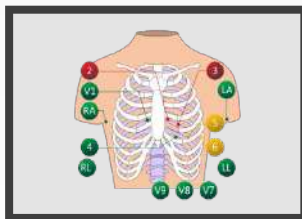


SE-1202

ECG Machine



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

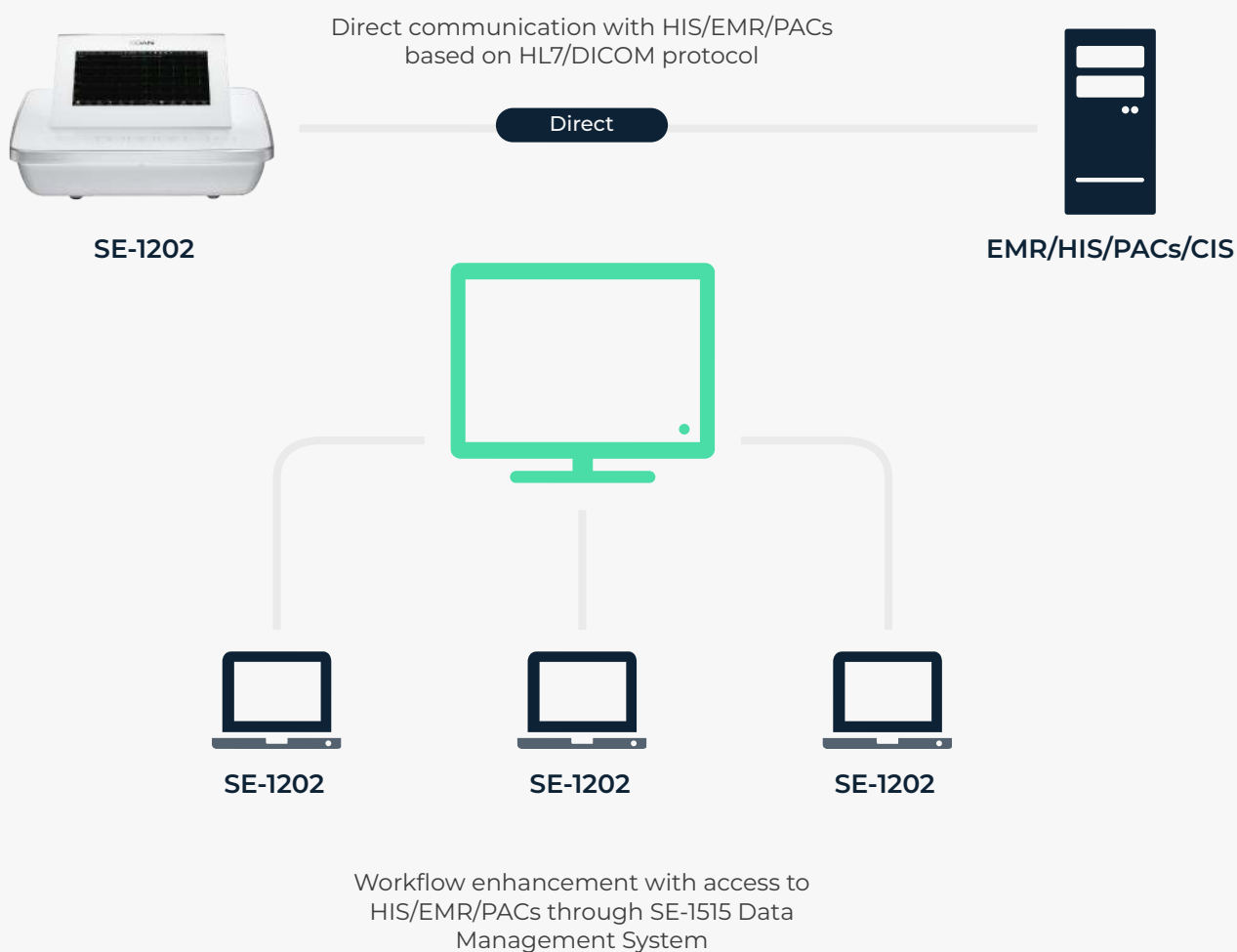
- Segments of arrhythmia traces can be emphasized on display, with automatic saving strips for further analysis.



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



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 μ V/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 M Ω (10Hz)

Input Circuit Current: ≤0.01 μ A

Input Voltage Range: ≤±5 mVpp

Calibration Voltage: 1 mV±2%

DC Offset Voltage: ±900 mV, ±5%

Minimum Amplitude: 20 μ Vp-p (10Hz)

Noise: ≤12.5 μ Vp-p

Multichannel crosstalk: ≤0.5 mm

PACEMAKER DETECTION

Amplitude: ±500 μ V to ±700mV

Width: 30 μ s 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