

SE-1515

PC-Based ECG Machine



Stress ECG Upgrade Available



Custom PDF Reports



One Button Start/Stop

The Edan SE-1515 ECG Machine effortlessly combines advanced ECG solutions within a user-friendly PC-based platform. With a flexible PC software interface, a wired ECG sampling box, or a 12-channel wireless transmitter, this system delivers streamlined access to a wide range of applications.

The SE-1515 series is compatible with a variety of treadmills and ergometers, offering standard Bruce protocol along with additional customizable options.

Features:

- 12-lead ECG wired sampling box or wireless transmitter
- Multi-user permission configuration
- Powerful software with comprehensive functions
- Enhanced signal quality and Glasgow interpretation for reliable reporting
- Lead reversal function to easily rectify the wrong placement of electrodes
- Arrhythmia segments can be detected, highlighted, and saved automatically
- The ECG glossary contains detailed templates and diagnostic results helping clinicians make quick and accurate conclusions

What's the Difference?

SE-1515 DX-12

- ✓ Wireless Data Transmission
- ✓ Resting ECG
- ✓ Stress ECG

SE-1515 DP-12

- ✗ Wireless Data Transmission
- ✓ Resting ECG
- ✓ Stress ECG



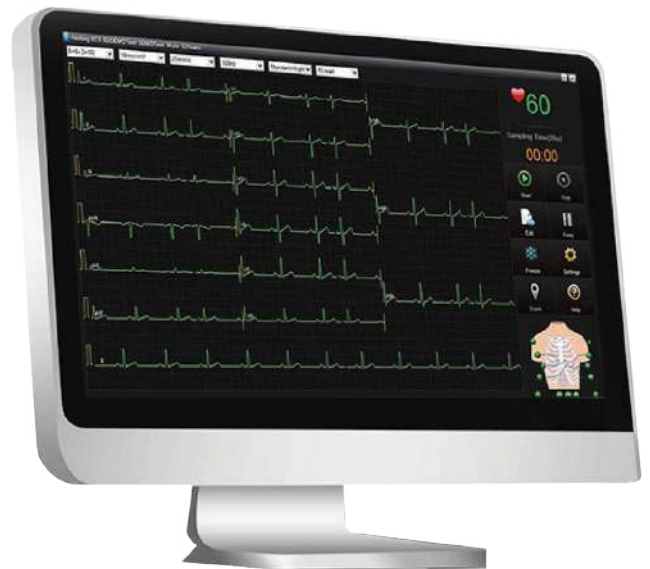
DX-12
Transmitter



DP-12
Sampling Box

Centralized ECG Explorer

- Bi-directional communication with ECG machines on worklist and reports
- 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



Included Accessories For DX-12

- ECG Cable — **01.57.471279**
- Adult Testing Tab Electrodes — **PT-2334**
- 10-Lead Universal Clips-Snap/Banana Socket Adapters — **01.57.040172**
- USB Connection Cable — **01.13.036134**
- Wireless Transmitter — **02.06.260163**
- Wired Receiver — **02.06.260164**
- SE-1515 PC ECG Software CD

Included Accessories For DP-12

- ECG Cable — **01.57.471614**
- Adult Testing Tab Electrodes — **PT-2334**
- 10-Lead Universal Clips-Snap/Banana Socket Adapters — **01.57.040172**
- USB Connection Cable — **01.13.036134**
- ECG Sampling Box — **02.01.210039**
- SE-1515 PC ECG Software CD

Specifications

PHYSICAL SPECIFICATION

Device Dimension:

DP12 ECG Sampling Box:
148mm (L) ×100 mm (W)
× 40mm (H) , ± 2mm

DX12 Transmitter:
63mm(L)×107mm(W)
×23mm(H), ± 2mm

DX12 Receiver:
155mm(L)×100mm(W)
×30mm(H), ± 2mm

Weight:

DP12 ECG sampling box:
Approx. 210g

DX12 transmitter:
Approx. 113g (not
including battery)

DX12 receiver:
Approx. 173g

POWER SUPPLY

PC:
Operating Voltage
= 110V-240V~
Operating Frequency
= 50Hz/60Hz

DP12 ECG Sampling Box:
5V, 1VA (MAX), 0.5 VA (MIN)

DX12 Transmitter:
Input Power: 2x1.5V Excell
Alkaline AA IEC LR6
Operation life of battery:
≥ 12 hours

DX12 Receiver:
DC 5V

Input Power: 350mW

HR

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

DX12 BLUETOOTH

Transmitting Frequency:
2402 Hz ~ 2480Hz
Frequency Band: 2402 Hz ~ 2480Hz
Modulation Type:
FHSS, GFSK, DPSK, DQPSK
Transmitting Power: ≥ 0 dBm

ECG SAMPLING BOX PERFORMANCE

Leads: DP12/DX12 12 leads
Acquisition Mode: DP12/DX12
simultaneously 12 leads
Sample Frequency:
DP12
1kHz (Analysis)
1kHz (Sampling)
DX12
0.5kHz (Analysis)
10kHz (Sampling)

A/D: DX12 18bits
Resolution: DP12/ DX12: 2.52uV/LSB
Input Voltage: Range $\pm 5\text{mVp-p}$
Time Constant: ≥3.2s
CMRR:
DP12 ≥115dB (AC OFF)
DX12 ≥100dB (AC OFF)

Frequency Response
DP12/DX12 0.05Hz~150Hz (-3dB)
Gain: :2.5, 5, 10, 20, 10/5, AGC (mm/mV)
Input Impedance
DP12 ≥50MΩ
DX12 ≥20MΩ

Input Circuit Current:
DP12 ≤10nA
DX12 ≤0.05μA

Calibration Voltage: 1mV ± 2%
DC Offset Voltage:
DP12 ±600mV
DX12 ±500mV

Minimum Amplitude: 20 μVp-p
Noise:
DP12 ≤12.5μVp-p
DX12 ≤15μVp-p

Recovery Time After Defibrillation: <math>< 5\text{ s}</math>
Multichannel crosstalk: ≤0.5mm
Patient Leakage Current:
NC: <math>< 10\mu\text{A}</math> (AC) / <math>< 10\mu\text{A}</math> (DC)
SFC: <math>< 50\mu\text{A}</math> (AC) / <math>< 50\mu\text{A}</math> (DC)

Patient Auxiliary Current:
NC: <math>< 10\mu\text{A}</math> (AC) / <math>< 10\mu\text{A}</math> (DC)
SFC: <math>< 50\mu\text{A}</math> (AC) / <math>< 50\mu\text{A}</math> (DC)

Insulation: 4000Vrms/min

FILTER

AC: DX12 50Hz/60Hz/Off
EMG: DX12 25Hz/35Hz/45Hz/Off
DFT: DX12 0.05Hz/0.32Hz/0.67Hz
Lowpass Filter:
DX12 150Hz/100Hz/75Hz