



EDAN SA-20 Holter ECG and ABP 2-in-1 System Owner's Manual

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EDAN SA-20 Holter ECG and ABP 2-in-1 System



Product Information

The SA-20 is a unique and compact 2-in-1 Recorder that combines ECG (Electrocardiogram) and blood pressure monitoring in one device. It is the only product of its kind that creates a new category in the market. With its innovative capabilities, the SA-20 allows professionals to review arrhythmia events along with blood pressure trends, leading to a comprehensive analysis of cardiovascular diseases.

Additionally, the SA-20 can be used as an independent Holter ECG (a portable device for recording heart activity) or ABPM (Ambulatory Blood Pressure Monitoring) as per the demand of cardiologists.

Product Usage Instructions

To use the SA-20 as a Holter ECG:

1. Ensure the SA-20 device is fully charged or connected to a power source.
2. Attach the required electrodes to your body as per the instructions provided.
3. Turn on the SA-20 by pressing the power button.
4. Select the appropriate ECG recording mode on the device.
5. Start recording by pressing the designated recording button.
6. Continue with your daily activities while wearing the SA-20.
7. After the desired recording duration, stop the recording by pressing the recording button again.
8. Transfer the recorded ECG data to a computer or compatible device for analysis using the provided software.

To use the SA-20 as an ABPM:

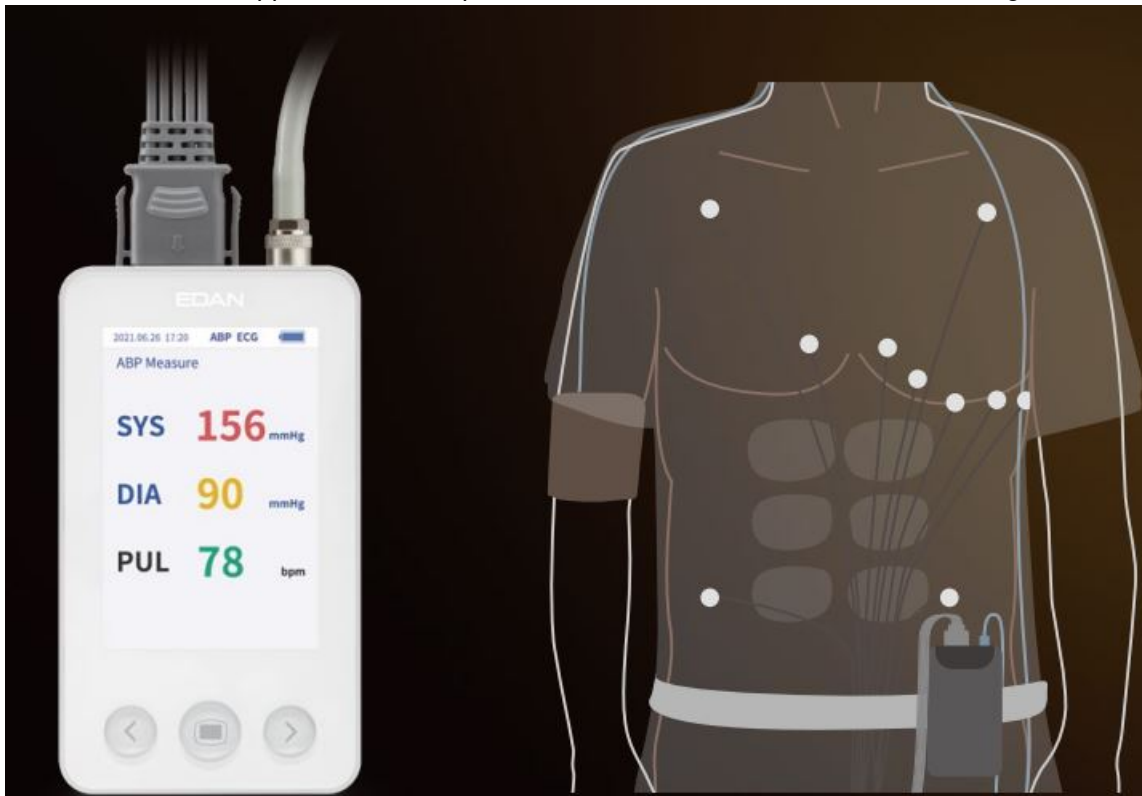
1. Ensure the SA-20 device is fully charged or connected to a power source.
2. Place the blood pressure cuff on your arm as per the instructions provided.
3. Turn on the SA-20 by pressing the power button.
4. Select the appropriate ABPM recording mode on the device.
5. Start the blood pressure monitoring by following the on-screen instructions.
6. Continue with your daily activities while wearing the SA-20.
7. After the desired monitoring duration, stop the blood pressure monitoring on the device.
8. Transfer the recorded ABPM data to a computer or compatible device for analysis using the provided software.

Note: For optimal protection against water ingress, use the SA-20 with the carrying pouch provided. The IP22 ingress protection rating is applicable only when using the carrying pouch along with the device. If you have any further questions or need assistance, please refer to the user manual or contact Edan's customer support through their website or email provided in the product information section.

Unique, compact & simplify

2-in-1 Recorder

Being the only one of its kind, the SA-20 creates a new brand-new product category that owns ECG and blood pressure monitoring in one device. With this capability, professionals can review the arrhythmia events together with blood pressure trends, and the interaction leads to an innovative analysis of cardiovascular diseases. Moreover, the SA-20 can be applied as an independent Holter ECG or ABPM as the cardiologists demand.



Feature Highlights

- Lightweight, compact and quite for better patients' compliance
- 3/12-lead digital recording with pacemaker detection
- Large blood pressure measurement ranges from 10mmHg to 290mmHg
- Overtime and overpressure protection to ensure the patient safety
- Up to 48 hours recording with two AA battery
- IP22 ingress protection rating is only with the carrying pouch together

About Edan

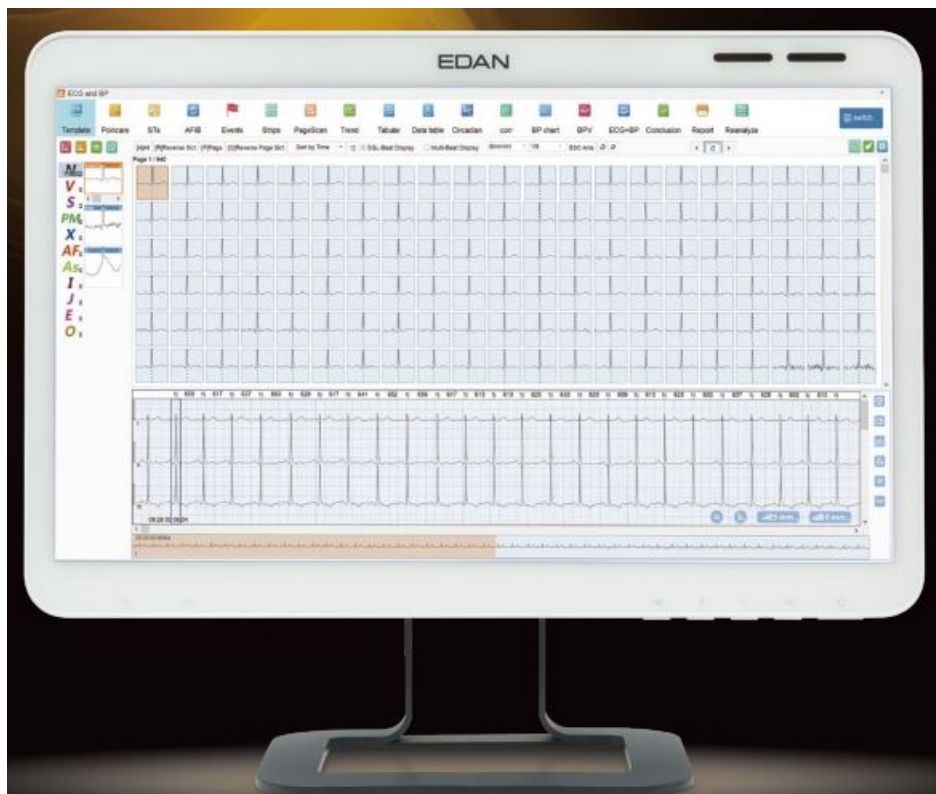
- Edan is a healthcare company dedicated to improving the human condition around the world by delivering value-driven, innovative and high-quality medical products and services. For over 20 years, Edan has been pioneering a comprehensive line of medical solutions that address a broad range of healthcare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

Combine the BP analysis with ECG events

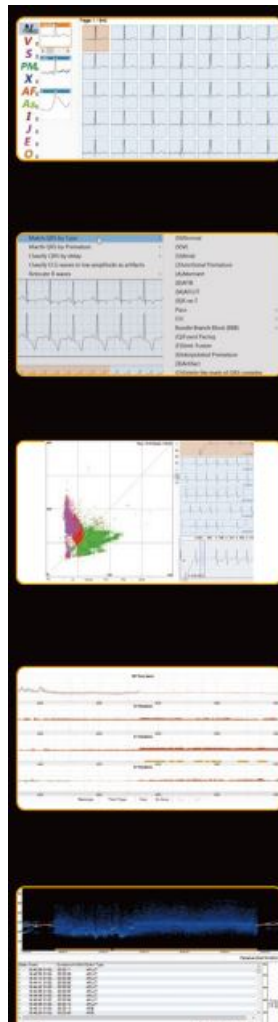
2-in-1 Software

- The 2-in-1 Software provides a blood pressure analysis in parallel with cardiac events, which offers a new perspective for cardiac disease analysis. Cardiologists would find it well-organized and highly efficient, without redundant time matching or screen switching.



Speed, Accuracy & Usability

ECG analysis



Efficiency in Templates Classification

- Automatically quick recognition of QRS waveforms, according to their morphology, and classification with color-coded templates.

Batch operation & Dynamic Learning

- Shortcut keys for fast batch re-tags, tags insert of undetected heartbeats or artifact delete. And the smart SVE function can also help to identify Atrial Tachycardia with a single click.

Lorenz Plots

- The Lorenz Plots shows the R-R intervals in a visualized way to quickly indicate the non-homogeneous beat-to-beat variability. You can also reversely select the distinct points to view the corresponding waveforms

Automatic ST Evaluation & ST Reanalysis

- The ST Elevation/Deviation can be automatically detected and presented in the ST Evaluation Chart, together with the ST color mapping

Automatic AFIB Segments Detection

- The atrial fibrillation segments can be automatically detected and presented in the AFIB list, where you can quickly locate and check the distinct period of waveforms.

Automatic, Easy & Diversity

BP analysis

Ambulatory Arterial Stiffness Index (AASI)

- The AASI is a simple and significant clinical risk marker for the detection of patients at higher risk of adverse cardiovascular events.

Morning Surge and BP variability analysis

- The BP statistical trend is a clear display with divides in day & night areas. Unusual elevated BP in the morning would be highlighted, and significant BP variability would be marked.

BP Chart

- The percentage of abnormal BP measurements could be shown as the histogram and pie chart according to the threshold setting.

Posture detection*

- Body posture could be detected, to help the doctor identify the Orthostatic Hypotension.

Combined Holter ECG and blood pressure

- For the first time, BP analysis can be done in parallel with the reference of cardiac events and ST segment modification.

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Documents / Resources

	<p>EDAN SA-20 Holter ECG and ABP 2-in-1 System [pdf] Owner's Manual SA-20 Holter ECG and ABP 2-in-1 System, SA-20, Holter ECG and ABP 2-in-1 System, ECG and ABP 2-in-1 System, ABP 2-in-1 System, 2-in-1 System</p>
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References

-  [EDAN](#)
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