SENDO ADVANCE 3

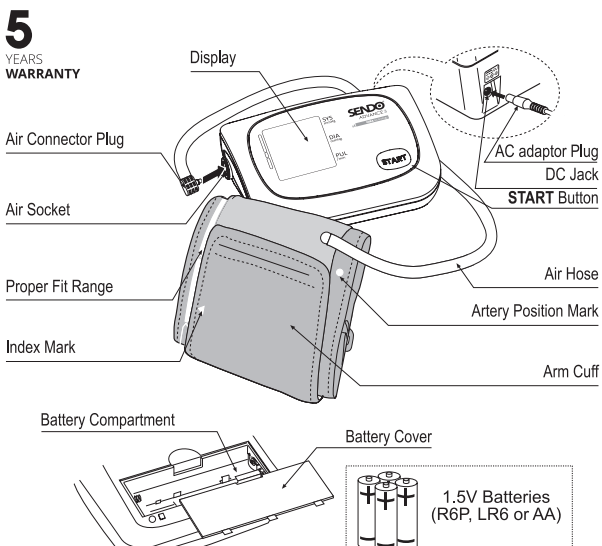
Digital blood pressure monitor

EN
ORIGINAL

INSTRUCTION MANUAL

Introduction to SENDO ADVANCE 3

Thank you for purchasing the state-of-the-art **SENDO ADVANCE 3** blood pressure monitor.
Designed for ease of use and accuracy, this device will facilitate your daily blood pressure regimen.
SENDO ADVANCE 3 will give you years of accurate measurements, if it is used properly. We are always ready to provide help on our telephone line for your country.
Please read this manual carefully before using SENDO ADVANCE 3.
This device fulfils the following provisions.
Medical Device Regulations (EU 2017/745)
The device is designed for use by people 13 years and older, not newborns and infants.



**Confirm that all of the parts are included to ensure that the medical device is ready to perform safely and as intended*

Intended Purpose

SENDO ADVANCE 3 is intended to be used by patients to measure systolic and diastolic blood pressure and pulse rate in the home environment. **SENDO ADVANCE 3** provides the patient with an indication of an irregular heartbeat allowing further medical attention to be sort.

Clinical Benefit:

Successful assessment of blood pressure reading in accordance with the device's intended purpose.

What is HIRA?

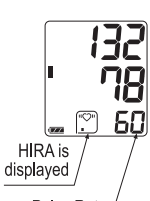
HIRA technology analyses your irregular heartbeat and atrial fibrillation (IHB/ AFib) status.

There are four different levels of HIRA status:

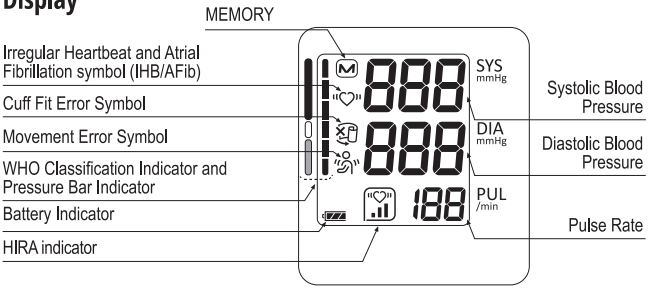
Level 0* IHB/AFib not detected	**Level 1: Small*** Occasional IHB/ AFib appears. Check regularly.	**Level 2: High*** Be careful with the IHB/ AFib. Pay attention.	**Level 3: Dangerous*** Pay attention.
			
*0%	*1-9%	*10-24%	*25-100%

IMPORTANT:

1. HIRA needs at least 7 measurements.
2. The result will be compromised if someone else uses your device.
3. HIRA analyses maximum the last 60 measurements.
4. HIRA is displayed when the measurement is completed and 7 measurements are memorised.
5. Contact your physician if HIRA level is high.



Display



Symbols

SYMBOLS THAT APPEAR ON THE DISPLAY		
Symbols	**Function/ Meaning**	**Recommended Action**
	Irregular Heartbeat and Atrial Fibrillation symbol (IHB/AFib) appears when an irregular heartbeat is detected. It may light up when a very slight vibration like shivering or shaking is detected.	Apply the cuff correctly, then take another measurement. If the "" symbol continues to appear, we recommend you to consult with your physician.
	Appears when a body or arm movement is detected.	The reading may yield an incorrect value. Try the measurement again. Remain still during measurement.
	Appears during measurement when the cuff is attached loosely.	The reading may yield an incorrect value. Apply the cuff correctly and try the measurement again.
	HIRA technology - analysis of your irregular heartbeat and atrial fibrillation status.	_____
	Previous measurements stored in MEMORY.	_____
	Average data	
	FULL BATTERY The battery power indicator during measurement.	_____

SYMBOLS THAT APPEAR ON THE DISPLAY

Symbols	Function/ Meaning	Recommended Action
	LOW BATTERY The battery is low when it blinks.	Replace all batteries with new ones when the mark blinks.
Err	Unstable blood pressure due to movement during measurement.	Try the measurement again. Remain very still during measurement.
Err	The systolic and diastolic values are within 10 mmHg of each other.	Apply the cuff correctly and try the measurement again. Check the instructions APPLYING THE ARM CUFF (page 8).
	The pressure value did not increase during inflation.	
Err CUF	The cuff is not applied correctly.	
E	PULSE DISPLAY ERROR The pulse is not detected correctly.	
Err E	Blood pressure monitor internal error	Remove the batteries and press the **START** button, and then install the batteries again. If the error still appears, contact the dealer.
Err 9		

SYMBOLS THAT ARE PRINTED ON THE DEVICE CASE AND THE PACKAGING

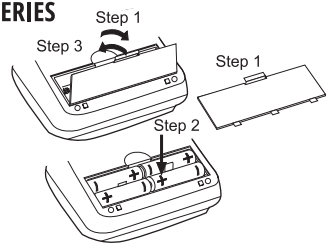
Symbols	Function/ Meaning	Symbols	Function/ Meaning
SYS	Systolic blood pressure in mmHg		Manufacturer
DIA	Diastolic blood pressure in mmHg	2014 	Date of manufacture
PUL	Pulse per minute	IP	International protection symbol
	Battery installation guide		WEEE label
	Direct current	SN	Serial number
	Type BF: Device, cuff and tubing are designed to provide special protection against electrical shocks		Refer to instruction manual/ booklet
CE 2797	CE marking.		Polarity of DC jack
EC REP	EU-representative		Keep dry
MD	Medical Device.	UDI	Unique Device Identifier
	Temperature limit		Humidity limitation.
	Atmospheric pressure limitation.		Importer
	Distributer		Standby and turn the device on

Troubleshooting

Problem	Possible Reason	Recommended Action
Nothing appears on the display, even when the device is turned on.	Batteries are drained.	Replace all batteries with new ones.
	Battery terminals are not in the correct position.	Reinstall the batteries with negative and positive terminals matching those indicated on the battery compartment.
The cuff does not inflate.	Battery voltage is too low. (LOW BATTERY mark) blinks. If the batteries are drained completely, the mark does not appear.	Replace all batteries with new ones.
The device does not measure. Readings are too high or too low.	The cuff is not applied properly.	Apply the cuff correctly.
	You moved your arm or body during measurement.	Make sure you remain very still and quiet during measurement.
	The cuff position is not correct.	Sit comfortably and still. Place your arm on a table with your palm facing upward and the cuff at the same level as your heart.
	———	If you have a very weak or irregular heartbeat, the device may have difficulty in determining your blood pressure.
Other	The value is different from that measured at a clinic or doctor's office.	Refer to "Why Measure Blood Pressure at Home?".
	———	Remove the batteries. Place them back properly and try the measurement again.

Note: *If the actions described above do not solve the problem, contact the dealer. Do not attempt to open or repair this product, as any attempt to do so will make your warranty invalid.*

INSTALLING/ CHANGING THE BATTERIES



1. Remove the battery cover.
2. Remove the used batteries and insert new batteries into the battery compartment as shown, taking care that the polarities (+ and -) are correct.
   Use only R6P, LR6 or AA batteries.
3. Attach the battery cover.

NOTE: *Rechargeable batteries are not recommended for use with this monitor.*

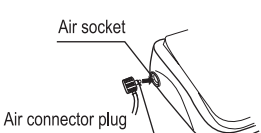
NOTE: *Batteries are not treated as ordinary household waste and must be disposed according to the applicable local regulations.*

CAUTION

- Insert the batteries as shown in the battery compartment. If installed incorrectly, the device will not work.
- When (LOW BATTERY mark) blinks in the display, replace all batteries with new ones. Do not mix old and new batteries. It may shorten the battery life, or cause the device to malfunction. Replace the batteries two seconds or more after the device turns off.
  If (LOW BATTERY mark) appears even after the batteries are replaced, take a blood pressure measurement. The device may then recognize the new batteries.
- (LOW BATTERY mark) does not appear when the batteries are drained.
- The battery life varies with the ambient temperature and may be shorter at low temperatures. Generally, four new LR6 batteries will last approximately for one year when used twice for measurement each day.
- Use the specified batteries only. The batteries provided with the device are for testing the monitor performance and may have a limited life.
- Remove the batteries if the device is not to be used for a long time.
  The batteries may leak and cause a malfunction.

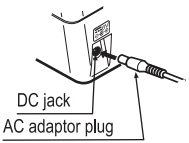
CONNECTING THE AIR HOSE

Insert the air connector plug into the air socket firmly.



CONNECTING THE AC ADAPTOR

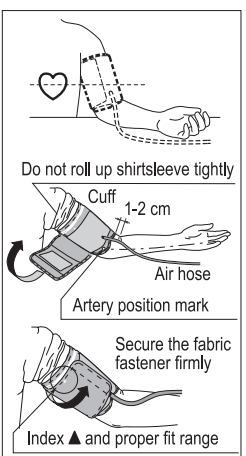
1. Insert the AC adaptor plug into the DC jack.
2. Connect the AC adaptor to an electrical outlet.



- Use the specified AC adaptor. Check page 20.
- When disconnecting the AC adaptor from the electrical outlet, grasp and pull the AC adaptor body out of the outlet.
- When disconnecting the AC adaptor plug from the blood pressure monitor, grasp and pull the AC adaptor plug out of the monitor.

APPLYING THE ARM CUFF

1. Place the cuff on the arm (preferably the left arm) with the centre of the cuff at the same level as your heart.
2. Wrap the cuff around the upper arm, about 1-2 cm above the inside of the elbow, as shown.
3. The cuff should not be too tight or too loose. Two fingers should be easily put in between the cuff and the upper arm.
4. Confirm that the index ▲ points within the proper fit range.



Note: *Place the cuff directly against the skin, as clothing may cause a faint pulse and result in a measurement error.*

Note: *Constriction of the upper arm caused by tightly rolling up the shirtsleeve may prevent accurate readings.*

SELECTING THE CORRECT CUFF SIZE

Using the correct cuff size is important for an accurate reading. If the cuff is not the proper size, the reading may yield an incorrect blood pressure value.

- The arm size is printed on each cuff.

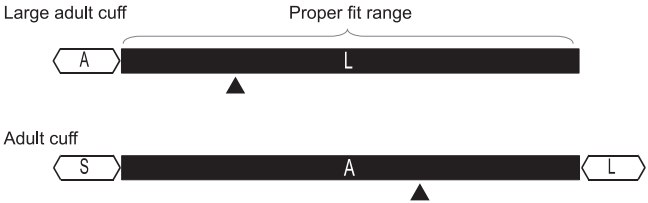
- The index ▲ and proper fit range on the cuff tells you if you are applying the correct cuff. Check "Symbols" that are printed on the cuff.
- If the index ▲ points outside of the range, contact your local dealer to purchase a replacement cuff.
- The arm cuff is a consumable. If it becomes worn, purchase a new one.

Arm size	Recommended Cuff Size	Catalog Number
31 cm to 45 cm	Large Adult Cuff	SENDOCUF-F-LA
22 cm to 32 cm	Adult Cuff	SENDOCUF-F-A

Arm size: The circumference at the biceps.

Note: SENDO ADVANCE 3 *is not designed for using a small cuff.*

SYMBOLS THAT ARE PRINTED ON THE CUFF		
Symbols	**Function/ Meaning**	**Recommended Action**
●	Artery position mark	Set the ● mark on the artery of the upper arm or in line with the ring finger on the inside of the arm.
▲	Index	_____
REF	Catalog number	_____
A	Proper fit range for the adult cuff. It's printed on the adult cuff.	_____
L	Over range printed on the adult cuff.	Use the large adult cuff instead of the adult cuff or wide range cuff.
L	Proper fit range for the large adult cuff. It's printed on the large adult cuff.	_____
S	Under range printed on the adult cuff.	_____
A	Under range on the large adult cuff.	Use the adult cuff instead of the large adult cuff.
LOT	Lot number	_____



Measurements

SENDO ADVANCE 3 is designed to detect the pulse and the approximate level of systolic blood pressure during cuff inflation. Thus, the cuff automatically inflates with 30-40mmHg higher than your systolic pressure. If re-inflation occurs repeatedly or when the results are not displayed even if the pressure decreases to 20 mmHg or less, please use the measurement method described in "Measurement with the Desired Systolic Pressure".

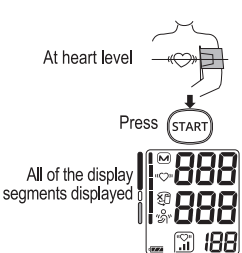
NORMAL MEASUREMENT

1. Sit comfortably on a chair. Rest your arm on the table. Do not cross your legs. Keep your feet flat on the floor and straighten your back.

Note: *Relax for about five to ten minutes before measurement.*

2. Place the cuff on the arm (preferably the left arm) with the centre of the cuff at the same level as your heart.

Note: *During measurement it is normal for the cuff to feel very tight. Do not be alarmed.*



3. Press the **START** button. All of the display segments are displayed.

Zero (0) is displayed blinking briefly.
The display changes (indicated in the figure on the right) as the measurement begins. The cuff starts to inflate. A pressure bar indicator is displayed on the left edge of the display during inflation.

Note: *Remain still and keep quiet during measurement.*

Note: *If you wish to stop inflation at any time, press the* **START** *button again.*

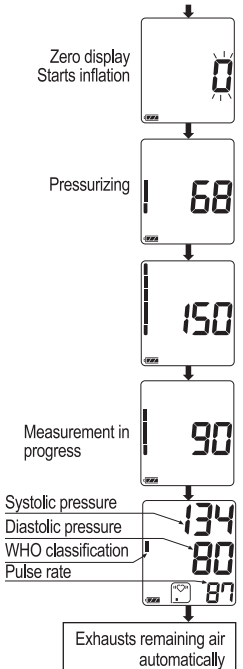
4. When the measurement is complete, the systolic and diastolic pressure readings and pulse rate are displayed. The cuff exhausts the remaining air and deflates completely.

Note: *If an appropriate pressure is not obtained, the device starts to inflate again automatically. To avoid re-inflation, refer to "Measurement with the Desired Systolic Pressure".*

5. Press the **START** button to turn the device off. Remove the cuff and record your data.

Note: *The device has an automatic power shut-off function, which turns the device off approximately one minute after measurement.*

Note: *Allow at least three minutes between measurements on the same person.*



MEASUREMENT WITH THE DESIRED SYSTOLIC PRESSURE

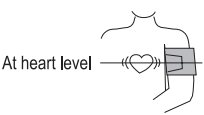
If your systolic pressure is expected to exceed 230 mmHg or if re-inflation occurs repeatedly or when the results are not displayed even if the pressure decreases to 20 mmHg or less, please use the method explained below.

1. Sit comfortably on a chair. Rest your arm on the table. Do not cross your legs. Keep your feet flat on the floor and straighten your back.

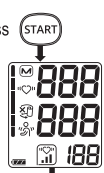
Note: *Relax for about five to ten minutes before measurement.*

2. Place the cuff on the arm (preferably the left arm) with the centre of the cuff at the same level as your heart.

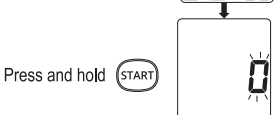
Note: *During measurement it is normal for the cuff to feel very tight. Do not be alarmed.*



3. Press the **START** button.
   All of the display segments are displayed.
   Zero (0) is displayed blinking briefly.
   The display changes, as indicated in the figure at the right.

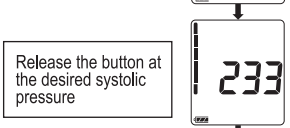


4. When the zero blinks, press and hold the **START** button until a number about 30 to 40 mmHg higher than your expected systolic pressure appears.

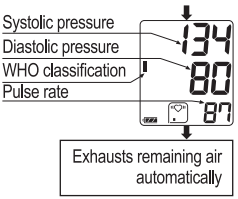


5. When the desired number is reached, release the **START** button to start measurement.

Note: *Remain still and keep quiet during measurement.*



6. When the measurement is complete, the systolic and diastolic pressure readings and pulse rate are displayed. The cuff exhausts the remaining air and deflates completely.



7. Press the **START** button to turn the device off. Remove the cuff and record your data.

Note: *The device has an automatic power shut-off function which turns the device off approximately one minute after measurement.*

Note: *Allow at least three minutes between measurements on the same person.*

HOW TO TAKE PROPER MEASUREMENTS?

- Sit down in a comfortable position. Place your arm on a table with your palm facing upward and the cuff at the same level as your heart.
- Relax for about five to ten minutes before taking a measurement. If you are excited or stressed, the measurement will reflect this stress as a higher or lower than normal blood pressure reading and the pulse reading will usually be faster than normal.
- Your blood pressure varies constantly, depending on what you are doing and what you have eaten. What you drink can have a very strong and rapid effect on your blood pressure.
- Do not measure right after physical exercise or a bath. Rest for twenty or thirty minutes before taking the measurement.
- This device bases its measurements on the heartbeat. If you have a very weak or irregular heartbeat, the device may have difficulty determining your blood pressure.
- Should the device detect a condition that is abnormal, it will stop the measurement and display an error symbol. Refer to page 4 for the description of symbols.
- Try to measure your blood pressure at the same time every day.
- This blood pressure monitor is intended for use by adults. Consult with your physician before using this device on a child. A child should not use this device unattended.
- The automatic blood pressure monitor's performance may be affected by excessive temperature or humidity, or altitude.

About Memory

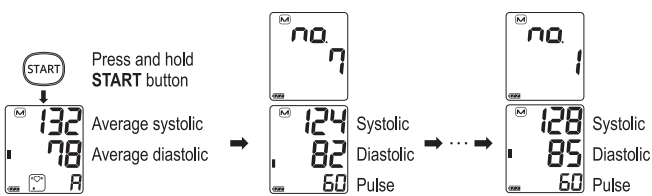
SENDO ADVANCE 3 stores up to 60 measurements in memory.

Data stored in memory is assigned a data number in the order of the newest to the oldest. The oldest data displays as no 1. The M symbol in the upper left corner of the display indicates that you are viewing previous data stored.

To see your previous results, follow the steps below:

1. When nothing is displayed, press and hold the **START** button to recall the stored data.
2. Release the button when displaying A (average data).
3. The data number and stored data are automatically displayed in order from the last measurement.
4. The display will turn off automatically after all data is displayed.

Note: *If you press the* **START** *button while recalling data, the device turns off.*



CLEARING DATA

To delete all data stored in memory, follow the steps below:

1. When turning off the device, press and hold the **START** button. Average data is displayed, then CLr no symbol is displayed.
2. When CLr no symbol is displayed release **START** button and press it once again.
3. CLr YES will be displayed and data will be cleared.

Note: *The data is cleared when the M mark blinks.*

4. The device turns off automatically.

Note: *If there is no data stored in memory, you will see three 0s displayed vertically.*

What Is The IHB/AFib Indicator?

When the monitor detects an irregular rhythm during the measurements, the IHB/AFib indicator will appear on the display with the measurement values.

Note:

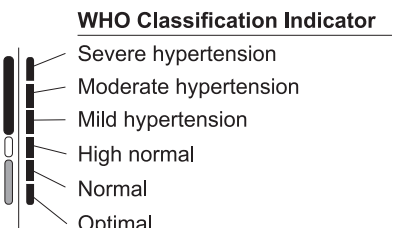
We recommend contacting your physician if you see this IHB/AFib indicator «♡» frequently.

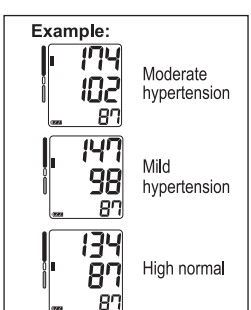
What is AFib?

The heart contracts due to electrical signals occurring in heart and sends blood through the body. Atrial fibrillation (AFib) occurs when the electrical signal in the atrium becomes confused and leads to disturbances in the pulse interval. AFib can cause blood to stagnate in the heart, which can easily create clots of blood, a cause of stroke and heart attack.

WHO Classification Indicator

Each segment of the bar indicator corresponds to the WHO blood pressure classification described below.

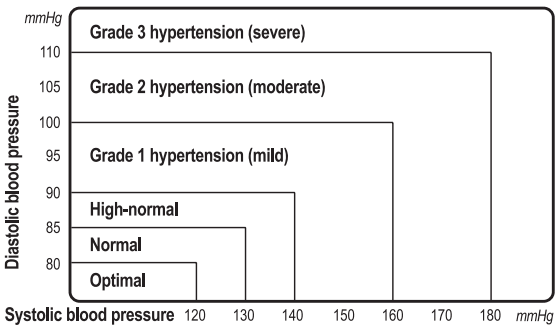




▮: The indicator displays a segment based on the current data corresponding to the WHO classification.

WHO Blood Pressure Classification

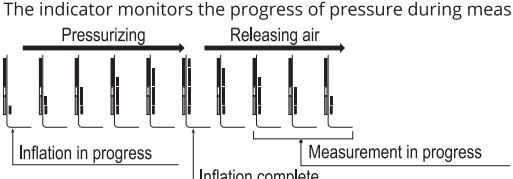
Standards to assess high blood pressure, without regard to age, have been established by the World Health Organization (WHO), as shown in the chart.



Reference Material: Journal of Hypertension 1999, Vol. 17, No. 2

Pressure Bar Indicator

The indicator monitors the progress of pressure during measurement.



About Blood Pressure

WHAT IS BLOOD PRESSURE?

Blood pressure is the force exerted by blood against the walls of the arteries. Systolic pressure occurs when the heart contracts. Diastolic pressure occurs when the heart expands. Blood pressure is measured in millimeters of mercury (mmHg). One's natural blood pressure is represented by the fundamental pressure, which is measured first thing in the morning while one is still at rest and before eating.

WHAT IS HYPERTENSION AND HOW IS IT CONTROLLED?

Hypertension, an abnormally high arterial blood pressure, if left unattended, can cause many health problems including stroke and heart attack. Hypertension can be controlled by altering lifestyle, avoiding stress, and with medication under a doctor's supervision.

To prevent hypertension or keep it under control:

- Do not smoke
- Exercise regularly
- Reduce salt and fat intake
- Have regular physical checkups
- Maintain proper weight

WHY MEASURE BLOOD PRESSURE AT HOME?

Blood pressure measured at a clinic or doctor's office may cause apprehension and can produce an elevated reading, 25 to 30 mmHg higher than that measured at home. Home measurement reduces the effects of outside influences on blood pressure readings, supplements the doctor's readings and provides a more accurate, complete blood pressure history.

BLOOD PRESSURE VARIATIONS

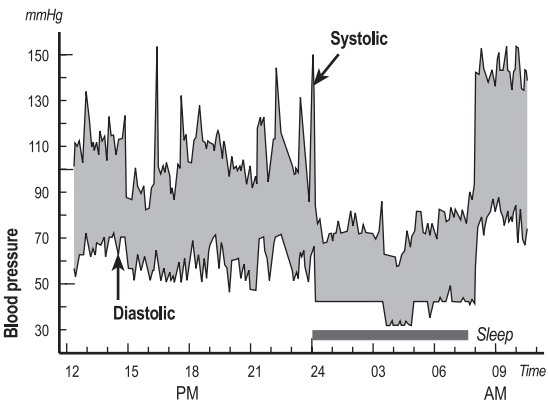
An individual's blood pressure varies greatly on a daily and seasonal basis. It may vary by 30 to 50 mmHg due to various conditions during the day. In hypertensive individuals, variations are even more pronounced. Normally, the blood pressure rises while at work or play and falls to its lowest levels during sleep. So, do not be overly concerned by the results of one measurement.

Take measurements at the same time every day using the procedure described in this manual to get to know your normal blood pressure. Regular readings give a more comprehensive blood pressure history. Be sure to note the date and time when recording your blood pressure.

Consult your doctor to interpret your blood pressure data.

Typical fluctuation within a day

(Measured every five minutes)



Maintenance

Do not open the device. It uses delicate electrical components and an intricate air unit that could be damaged. If you cannot fix the problem using the troubleshooting instructions, contact the authorized dealer in your area or our customer service department. The customer service will provide technical information, spare parts and units to authorized dealers.

The device was designed and manufactured for a long service life. However, it is generally recommended to have the device inspected every 2 years to ensure proper functioning and accuracy. Please contact the authorized dealer in your area for maintenance.

⚠ *DO NOT TRY TO DISASSEMBLE AND FIX THE UNIT BY YOURSELF!*

Technical Data

Type	**SENDO ADVANCE 3**
Measurement method	Oscillometric measurement
Measurement range	Pressure: 0 – 299 mmHg
	Systolic Blood pressure: 60 – 279 mmHg
	Diastolic Blood pressure: 40 – 200 mmHg
	Pulse: 40 – 180 beats/ minute
Measurement accuracy	Pressure: ±3 mmHg
	Pulse: ±5%
Power supply	4 x 1.5V batteries (R6P, LR6 or AA)
	AC adaptor (optional) (TB-233C - tested adaptor)
Number of measurements	Approx. 700 times LR6 (alkaline batteries)
	Approx. 200 times R6P (manganese batteries)
	With pressure value of 180 mmHg at room Temperature of 23°C.
Classification	Internally powered ME equipment (Supplied by batteries)/ Class II (Supplied by adaptor)
	Continuous operation mode
Clinical test	According to ISO 81060-2:2018+A1:2020
EMD	IEC 60601-1-2:2014+A1:2020

Memory	Last 60 measurements
Operating conditions	+10°C to +40°C / 15%RH to 85%RH / 800hPa to 1060hPa
Transport/ Storage conditions	-20°C to +60°C / 10%RH to 95%RH / 700hPa to 1060hPa
Dimensions	Approx. 140 [W] x 60 [H] x 105 [D] mm
Weight	Approx. 245g, excluding the batteries
Ingress protection	Device: IP20
Applied part	Cuff: Type BF
Useful life	Device: 5 years (when used six times a day)
	Cuff: 2 years (when used six times a day)

Note: *IP classification is degrees of protection provided by enclosures in accordance with IEC 60529. This device is protected against solid foreign objects of 12 mm diameter and greater such as a finger. This device is not protected against water.*

Accessory AC adaptor (optional)

The adaptor is to connect the device to a power source at home. The AC adaptor is required to be inspected or replaced periodically.

Symbols that are printed on the AC adaper TB-233C (tested adaptor)	
Symbols	**Function / Meaning**
	For indoor use only
	Class II device
	Thermal fuse
	Fuse
CE	EC directive label
EAC	EAC certification device label
	Polarity of AC adapter plug

Accessories sold separately

Cuff		
Catalog Number	**Cuff Size**	**Arm size**
SENDOCUF-F-LA	Large adult cuff	31 cm to 45 cm
SENDOCUF-F-A	Adult cuff	22 cm to 32 cm

Arm size: *The circumference at the biceps.*
Note: *Specifications are subject to change without prior notice.*

EMD Technical Data

Battery-operated or AC Adapter-operated Blood Pressure Monitor

Medical Electrical Equipment needs special precautions regarding EMD and needs to be installed and put into service according to the EMD information provided in the following.

Portable and mobile RF communication equipment (e.g. cell phones) can affect Medical Electrical Equipment.

The use of accessories and cables other than those specified may result in increased emissions or decreased immunity of the unit.

Table 1 – Emission Limits		
Phenomenon		**Compliance**
Conducted and radiated RF emission	CISPR 11	Group 1, Class B
Harmonic distortion	IEC 61000-3-2	Class A
Voltage fluctuations and flicker	IEC 61000-3-3	Compliance

Table 2 – Immunity Test Levels: Enclosure Port	
Phenomenon	**Immunity Test Levels**
Electrostatic discharge IEC 61000-4-2	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air
Radiated RF EM fields IEC 61000-4-3	10 V/m 80 MHz - 2.7 GHz 80 % AM at 1 kHz
Proximity fields from RF wireless communications equipment IEC 61000-4-3	See table 4
Rated power frequency magnetic fields IEC 61000-4-8	30 A/m 50 Hz or 60 Hz

Table 3 – Immunity Test Levels: Input a.c. power Port	
Phenomenon	**Immunity Test Levels**
Electrical fast transients / bursts IEC 61000-4-4	±2 kV 100 kHz repetition frequency
Surges Line-to-line IEC 61000-4-5	±0.5 kV, ±1 kV
Conducted disturbances induced by RF fields IEC 61000-4-6	3 V 0.15 MHz - 80 MHz 6 V in ISM and amateur radio bands between 0.15 MHz and 80 MHz 80 % AM at 1 kHz
Voltage dips IEC 61000-4-11	0 % U_T; 0.5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270°, and 315°
	0 % U_T; 1 cycle And 70 % U_T; 25/30 cycle Single phase: at 0°
Voltage interruption IEC 61000-4-11	0% U_T; 250/300 cycle

NOTE: U_T is the AC mains voltage prior to application of the test level.

Table 4 – Test specifications for Enclosure Port Immunity to RF wireless communications equipment

Test frequency (MHz)	Band (MHz)	Service	Modulation	Maximum power (W)	Distance (m)	Immunity test level (V/m)
385	380 - 390	TETRA 400	Pulse modulation 18 Hz	1.8	0.3	27
450	430 - 470	GMRS 460 FRS 460	FM ±5 kHz deviation 1 kHz sine	2	0.3	28
710	704 - 787	LTE Band 13, 17	Pulse modulation 217 Hz	0.2	0.3	9
745						
780						
810	800 - 960	GSM 800/900 TETRA 800 iDEN 820 CDMA 850 LTE Band 5	Pulse modulation 18 Hz	2	0.3	28
870						
930						
1720	1700 - 1990	GSM 1800 CDMA 1900 GSM 1900 DECT LTE Band 1,3,4,25 UMTS	Pulse modulation 217 Hz	2	0.3	28
1845						
1970						
2450	2400 - 2570	Bluetooth WLAN 802.11 b/g/n RFID 2450 LTE Band 7	Pulse modulation 217 Hz	2	0.3	28
5240	5100 - 5800	WLAN 802.11 a/n	Pulse modulation 217 Hz	0.2	0.3	9
5500						
5785						

Warranty

As long as the instructions are followed, your **SENDO ADVANCE 3** should last for many years. In the event it fails to operate due to manufacturing or materials related defects, we will repair it free of charge during the warranty period. The apparatus has 5 years warranty for its electrical components. The parts made from rubber and textile have 2 years warranty. Any claim for damages covered by the warranty must be accompanied by the purchase receipt (cash register receipt). The warranty does not cover damages when instructions for installing and use are not followed and in the following conditions: if there are discrepancies between the warranty and the product itself; if there are damages caused by unauthorized repair; damages caused by external factors: dust, liquids, exposure to extreme weather conditions or stress on the mechanism, improper use and maintenance of the device or natural abrasion of materials.

Please, check warranty provided by distributor.

Trying to repair the device yourself can cause property damage, additional problems with the product and losing the right to a warranty claim.

Precautions

- This device is designed to measure blood pressure and pulse rate of people for diagnosis.
- Environment for use. The device is for use to operate by yourself in the home healthcare environment.
- The device is designed for use on adults, not newborns or infants.
- This device conforms to the Medical Device Regulations (EU 2017/745) for Medical Products. This is made evident by the CE 2797 mark of conformity.
- Precision components are used in the construction of this device. Extremes in temperature, humidity, direct sunlight, shock or dust should be avoided.
- Clean the device and cuff with a dry, soft cloth or a cloth dampened with water and a neutral detergent. Never use alcohol, benzene, thinner or other harsh chemicals to clean the device or cuff.

- Avoid tightly folding the cuff or storing the hose tightly twisted for long periods, as such treatment may shorten the life of the components.
- Do not twist the air hose during measurement. This may cause injury due to continuous cuff pressure.
- The device and cuff are not water resistant. Prevent rain, sweat and water from soiling the device and cuff.
- Measurements may be distorted if the device is used close to televisions, microwave ovens, cellular telephones, X-ray or other devices with strong electrical fields.
- When reusing the device, make sure that the device is clean.
- Used equipment, parts and batteries are not treated as ordinary household waste, and must be disposed of according to the applicable local regulations.
- When the AC adaptor is used, make sure that the AC adaptor can be readily removed from the electrical outlet when necessary.
- Do not modify the device. It may cause accidents or damage to the device.
- To measure blood pressure, the arm must be squeezed by the cuff hard enough to temporarily stop blood flow through the artery. This may cause pain, numbness or a temporary red mark to the arm. This condition will appear especially when measurement is repeated successively. Any pain, numbness, or red marks will disappear with time.
- Measuring blood pressure too frequently may cause harm due to blood flow interference. Check that the operation of the device does not result in prolonged impairment of blood circulation, when using the device repeatedly.
- If you have had a mastectomy, please consult a doctor before using the device.
- Do not drop the monitor to strong shocks or vibrations.
- Keep away from children and infants to avoid accidental strangulation or injury to them
- Do not let children use the device by themselves and do not use the device in a place within the reach of infants. It may cause accidents or damage.
- There are small parts that may cause a choking hazard if swallowed by mistake by infants.
- Clinical testing has not been conducted on newborn infants and pregnant women. Do not use on newborn infants or pregnant women.
- Do not touch the batteries, the DC jack, and the patient at the same time. That may result in electrical shock.
- Unplug the AC adapter when not in use during the measurement.
- Should the battery short-circuit, the surface of the device may become hot and potentially cause burns.

- Allow the device to adapt to the surrounding environment before use (about one hour).
- Use of accessories not detailed in this manual may compromise safety.
- Do not inflate without wrapping the cuff.
- This is a medical device for use by lay person. Please consult your healthcare provider with any questions or concerns you may have regarding your condition.
- When any serious incident occurs in relation to this device, report to its manufacturer and the competent authority in your country.
- Confirm for proper operation before use, if the packaging is damaged, unintentionally opened and exposed to environmental conditions outside of those specified.
- Digital Blood Pressure Monitor is not intended to diagnose heart arrhythmias. If the Irregular Heart Beat indicator illuminates frequently and is unrelated to patient movement during blood pressure measurement, further medical attention must be sort.

Contraindications

The following are precautions for proper use of the device.

- Do not apply the cuff on an arm with another medical electrical equipment attached. The equipment may not function properly.
- People who have a severe circulatory deficit in the arm must consult a doctor before using the device to avoid medical problems.
- Do not self-diagnose the measurement results and start treatment by yourself. Always consult your doctor for evaluation of the results and treatment.
- Do not apply the cuff on an arm with an unhealed wound.
- Do not apply the cuff on an arm receiving an intravenous drip or blood transfusion. It may cause injury or accidents.
- Do not use the device where flammable gases such as anesthetic gases are present. It may cause an explosion.
- Do not use the device in highly concentrated oxygen environments, such as a high-pressure oxygen chamber or an oxygen tent. It may cause a fire or explosion.
- Do not provide any servicing and perform maintenance while the medical device is in use.

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CE 2797

CONTENTS

Date	Systolic blood pressure	Diastolic blood pressure	Pulse

Date	Systolic blood pressure	Diastolic blood pressure	Pulse

Date	Systolic blood pressure	Diastolic blood pressure	Pulse

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ADVANCE 3

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