

• ABOUT US •

Driven by the passion for innovation, we at Dr Trust endeavour to provide our customers with the latest medical inventions with an objective to promote good health and wellness all around the world. All the medical devices and health monitors provided by Dr Trust are supported by accurate, latest and ground breaking technologies, innovated at our headquarter in NY, USA. All our products adhere to the most stringent CE and FDA guidelines and are strongly recommended by doctors and health practitioners. Our products are designed in the utmost exemplary ways to ensure that their accuracy and convenience are unrivalled. The ease of their use and operation makes them even more suitable for users of all age groups.

Dr Trust strives to enhance the quality of lifestyle by providing with the most trusted and innovative health care and wellness products. Being a renowned global leader in health care products, Dr Trust ensures that our technically efficient team works dynamically and tirelessly to provide the best of the medical devices to our clients. The products that we have to offer are suitably designed for use at homes, laboratories and hospitals.

Our ground breaking solutions allow you to monitor your health in the easiest ways possible. In today's era when all of our lives are too hassled to handle, it becomes a bit difficult to pay attention to our health. But it has now become easier with the coming of the monitoring devices which can be conveniently used at homes and even on the go.

We bring to you a variety of best self medical devices, trusted and used by Doctors, medical professionals and home users all over the world.

Dr Trust
AFIB Pro Blood Pressure Monitor 102



• QUICK START GUIDE •

Step 1

Check batteries and insert the air tube from the cuff into the air jack.

Step 2

Before starting the measurement, select the measuring mode: Standard Single or AFIB Mode and make settings for user no, time, and date etc.

Step 3

Slide the blood pressure cuff onto your upper arm and secure it so that it sits snugly about one inch above of your elbow.

Step 4

Simply push the power button and cuff begins to inflate with controlling deflation speed automatically.

Step 5

The device is intended for taking 2 measurements in succession in AF mode. Your result is calculated and displayed as a single averaged measurement on the display screen with Atrial Fibrillation detector icon (if atrial fibrillation is detected).

Step 6

In Standard mode, you will get the pressure value when the pump stops after reaching to the inflation pressure.



• **TABLE OF CONTENTS** •

1. INTRODUCTION	4
1.1. Features of AFIB Pro	
1.2. Key Components	
1.3. Important Information about Self-Measurement	
2. IMPORTANT INFORMATION ON THE SUBJECT OF BLOOD-PRESSURE AND ITS MEASUREMENT	7
2.1. How does high/low blood-pressure arise?	
2.2. Which values are normal?	
3. OPERATION	9
3.1. Inserting the batteries	
3.2. Setting date/time	
3.3. User selection	
4. CARRYING OUT A MEASUREMENT	11
4.1. Before the measurement	
4.2. Common sources of error	
4.3. Fitting the cuff	
4.4. Measuring procedure	
4.5. Discontinuing a measurement	10
4.6. Memory – storage and recall of the measurements	
4.7. Memory – cancellation of all measurements attention!	
5. APPEARANCE OF THE HEART ARRHYTHMIA INDICATOR FOR EARLY DETECTION	17
6. ERROR MESSAGES/MALFUNCTIONS	18

7. CARE AND MAINTENANCE, RECALIBRATION	20
8. SAFETY, CARE AND DISPOSAL	21
9. REFERENCE TO STANDARDS	22
10. TECHNICAL SPECIFICATIONS	22
11. MANUFACTURER'S DECLARATION	24
12. CUSTOMER SUPPORT	31
13. CONTACT US	32



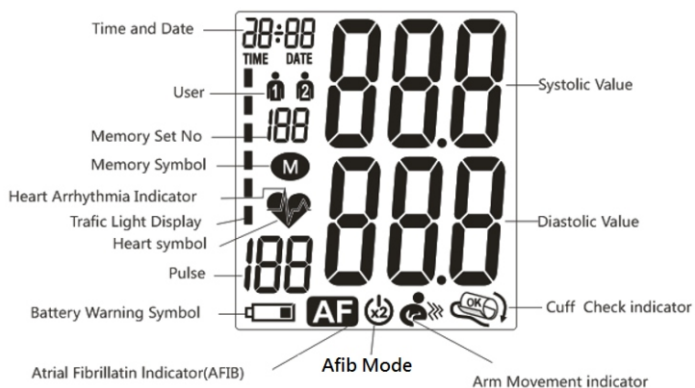
• 1. INTRODUCTION •

1.1. Features of AFIB Pro

Dr Trust AFIB Pro Blood Pressure Monitor -102 comes with integrated time/date display. It is a fully automatic, digital blood-pressure measuring device for use on the arm, which enables very fast and reliable measurement of the systolic and diastolic blood-pressure as well as the pulse frequency by way of the oscillometric method of measurement. The device offers very high and clinical tested measurement accuracy and has been designed to provide maximum of user-friendliness. The device is intended for self-use in home. Before using, please read this instruction manual carefully keeps it in a safe place. For further questions on the subject of blood-pressure and its measurement, please contact your doctor.

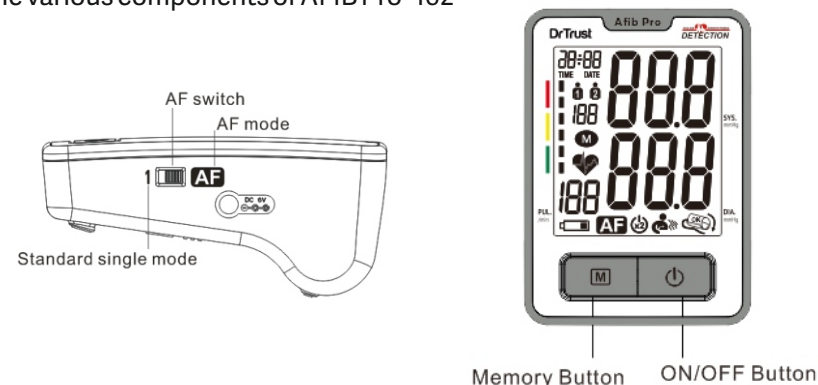
a) The LCD Screen of AFIB Pro -102

The LCD screen displays the systolic and diastolic blood pressure measurements along with AFIB and heart rate. It also displays previously recorded measurements and the date and time, when the appropriate button is pressed.



1.2. Key Components

The various components of AFIB Pro -102



⚠ ATTENTION

1.3. Important Information about Self-Measurement

- Substitution of a different component might result in measurement error.
- Cuff is replaceable only by an original one.
- Do not use with neonatal patients.
- It will cause harmful injury to the patient or affect the blood pressure due to connection tubing kinking.
- Too frequent measurements can cause injury to the patient due to blood flow interference.
- Tying the cuff over a wound can cause further injury.



- The application of the cuff and its pressurization on any limb where intravascular access or therapy, or an arteriovenous (A-V) shunt, is present because of temporary interference to blood flow and could result in injury to the patient.
- Do not let the cuff and its pressurization on the arm on the side of a mastectomy.
- The need to check that operation of the automated sphygmomanometer does not result in prolonged impairment of patient blood circulation.
- Not intended to be used together with HF surgical equipment.
- Do not forget: self-measurement means control, not diagnosis or treatment. Unusual values must always be discussed with your doctor. Under no circumstances should you alter the dosages of any drugs prescribed by your doctor.
- The pulse display is not suitable for checking the frequency of heart pacemakers!
- In cases of cardiac irregularity (Arrhythmia), measurements made with this instrument should only be evaluated after consultation with the doctor.

Electromagnetic interference

The device contains sensitive electronic components (Microcomputer). Therefore, avoid strong electrical or electromagnetic fields in the direct vicinity of the device (e.g. mobile telephones, microwave cookers). These can lead to temporary impairment of the measuring accuracy.

2. IMPORTANT INFORMATION ON THE SUBJECT OF BLOOD-PRESSURE AND ITS MEASUREMENT

2.1. How does High/Low Blood-Pressure arise?

As your heart beats, it pumps your blood round your body so that your muscles can get all the energy and oxygen they need. To do this, your heart pushes your blood through a network of blood vessels called arteries. As the blood travels through the arteries it pushes against the sides of these blood vessels and the strength of this pushing is called your blood pressure. As your heart squeezes and pushes your blood through your arteries, your blood pressure goes up. As your heart relaxes, your blood pressure goes down. So, with each heartbeat, your blood pressure will rise to a maximum level and then fall to a minimum level.

2.2. Which values are normal?

Blood pressure is too high if at rest, the diastolic pressure is above 90 mmHg and/or the systolic blood-pressure is over 160 mmHg. In this case, please consult your doctor immediately. Long-term values at this level endanger your health due to the associated advancing damage to the blood vessels in your body. Should the systolic blood-pressure values lie between 140 mm Hg and 159 mmHg and/or the diastolic blood-pressure values lie between 90 mmHg and 99 mmHg, likewise, please consult your doctor. Furthermore, regular self-checks will be necessary. With blood-pressure values that are too low, i.e. systolic values under 100 mmHg and/or diastolic values under 60 mmHg, likewise, please consult your doctor. Even with normal blood-pressure values, a regular self-check with your blood-pressure monitor is recommended. In this way you can detect possible changes in your values early and react appropriately. If you are undergoing medical treatment to control your blood pressure, please keep a record of the level of your blood pressure by carrying out regular self-measurements at specific times of the day. Show these values to your doctor. **Never use the results of your measurements to alter independently the drug doses prescribed by your doctor.**



Table for classifying blood-pressure values (unit: mmHg) according to World Health Organization:

Range & broadcasting	Systolic Blood-pressure	Diastolic Blood-pressure	Measures
Optimal	between 100 and 120	between 60 and 80	Self-check
Normal	between 120 and 129	between 80 and 84	Self-check
High to normal	between 130 and 139	between 85 and 89	Consult your doctor
Slight hypertension	between 140 and 159	between 90 and 99	Seek medical advice
Medium hypertension	between 160 and 179	between 100 and 109	Seek medical advice
Strong hypertension	Higher than 180	Higher than 110	Urgently seek medical advice!

2.3. What is Atrial Fibrillation (AFIB)?

Normally, your heart contracts and relaxes to a regular beat. Certain cells in your heart produce electrical signals that cause the heart to contract and pump blood. Atrial fibrillation occurs when rapid, disorganized electrical signals are present in the heart's two upper chambers, called the atria; causing them to contract quickly and irregularly (this is called fibrillation). Atrial fibrillation is the most common form of heart arrhythmia or irregular heartbeat. You can live with atrial fibrillation, but it can lead to other rhythm problems, chronic fatigue, heart failure and - worst of all - a stroke.

2.4. How does AFIB impact you?



One in every six strokes is AFIB-related. While individuals above the age of 65 are more likely to have AFIB, individuals as young as 40 can exhibit AFIB. Early diagnosis can help reduce the risk of a stroke.

2.5. How does Dr Trust AFIB Pro 102 can help controlling AFIB?


Dr Trust AFIB Pro Blood Pressure Monitor 120 provides a convenient way to screen for AFIB. Knowing your blood pressure and knowing whether you have AFIB can help reduce the risk of stroke. AFIB detection provides a convenient way to screen for AFIB while taking your blood pressure.

3. OPERATION

3.1 Inserting the batteries

- Insert the batteries (4 x size AA 1.5V), thereby observing the indicated polarity.
- The battery warning  appears in the display, the batteries remain 20% power to warn user the batteries will be run out.
- If the battery warning  appears in the display, the batteries are empty and must be replaced by new ones.

ATTENTION

After the battery warning  appears, the device is blocked until the batteries have been replaced.

- Please use «AA» alkaline 1.5V batteries.
- If the blood-pressure monitor is left unused for long periods, please remove the batteries from the device.



3.2. Setting date/time

How to enter into the setting mode






- After batteries are inserted, the device will enter the setting mode automatically.
- Press and hold "⏻" (ON/OFF) button for 5 seconds, the setting mode will appear.

The setting procedure as follows:

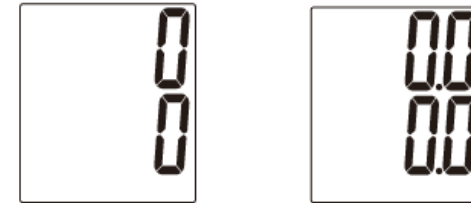
It is essential to set date and time. Otherwise, you will not be able to save your measured value correctly with a date and time.

Use **M** button as adjustment button

If you press and hold **M** button, you can set the values more quickly.

- **Year setting**- the year flashes on the display : Choose the desired year with "**M**" button and confirm with "⏻" (ON/OFF) button, 
- **Month setting**- the month flashes on the display : Choose the desired month with "**M**" button and confirm with "⏻" (ON/OFF) button, 
- **Day setting**- the day flashes on the display : Choose the desired day with "**M**" button and confirm with "⏻" (ON/OFF) button, 
- **Hour setting**- the hour flashes on the display : Choose the desired hour with "**M**" button and confirm with "⏻" (ON/OFF) button, 
- **Minute setting**- the minute flashes on the display : Choose the desired minute with "**M**" button and confirm with "⏻" (ON/OFF) button, 

- **Unit setting**- the unit "Kpa" or "mmH" flashes on the display: Choose the desired Unit with "**M**" button and confirm with "⏻" (ON/OFF) button.



Note: The clock will begin to run from 2016-01-01 01:01, and Unit in mmHg, if no key is pressed within 20 seconds.

3.3. User selection

Press and hold "**M**" memory button for 2 seconds, "👤" flashes on the display. Press "**M**" to choose the desired user.

• 4. CARRYING OUT A MEASUREMENT •

4.1. Before the measurement

- Avoid eating, smoking as well as all forms of exertion directly before the measurement. All these factors influence the measurement result. Try and find time to relax by sitting in an arm chair in a quite atmosphere for about ten minutes before the measurement.
- Measure always on the same arm (normally left).
- Attempt to carry out the measurements regularly at the same time of day, since the blood-pressure changes during the course of the day.



4.2. Common sources of error

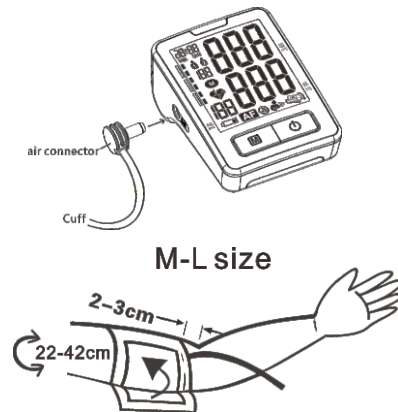
Note: Comparable blood-pressure measurements require the same conditions! These are always quiet conditions.

- All efforts made by the patient to support the arm can increase the blood-pressure. Make sure you are in a comfortable, relaxed position. Do not activate any of the muscles during the measurement. Use a cushion for support if necessary.
- The performance of the automated sphygmomanometer can be affected by extremes of temperature, humidity and altitude.
- Avoid compression or restriction of the connection tubing.
- A loose cuff causes false measurement values.
- With repeated measurements, blood accumulates in the respective arm, which can lead to false results. Correctly executed blood-pressure measurements should therefore first be repeated after a 5 minute pause or after the arm has been held up in order to allow the accumulated blood to flow away (after at least 3 minutes).

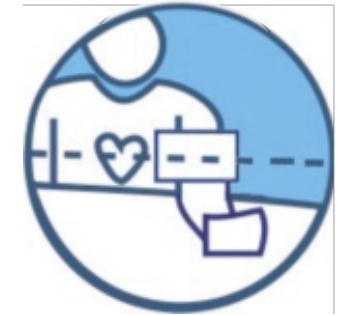
4.3. Fitting the cuff

Insert air connector into air outlet (shown in the pic). Please make sure the fitting of the air connector is tight and proper to avoid air leakage.

- a) The distance between the edge of cuff and the elbow should be approx. 2~3cm.
- b) Secure the cuff with the Velcro fastener, so that it lies comfortably and not too tight, whereby no space should remain between the cuff and the arm.



- c) Lay the arm on a table, with the palm upwards. Support the arm a little with a rest (cushion), so that the cuff rests at about the same height as the heart. Take care, that the cuff lies free. Remain so for 2 minutes sitting quietly, before beginning with the measurement.



- d) Let legs uncrossed, feet flat on the floor, back and arm supported

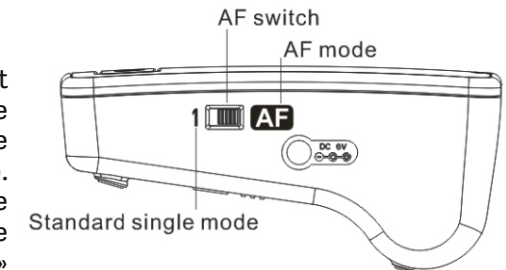
Cuff OK Symbol

When the cuff is applied correctly,  is displayed while taking a measurement or using the memory function.

4.4. Measuring procedure


**Select the measuring mode:
Standard Single or AF Mode**

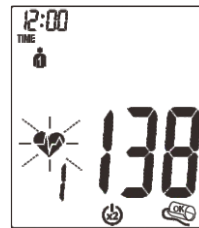
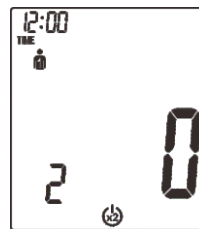
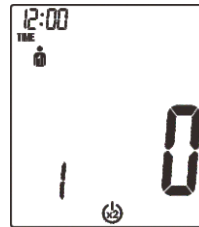
This device enables you to select either standard (standard single measurement) or AF mode (automatic twice measurement). To select standard mode, slide the AF switch on the side of the device downwards to position «1» and to select AF mode, slide this switch upwards to position «AF».



In AF Mode

In AF mode, 2 measurements are automatically taken in succession and the result is then automatically analyzed and displayed. Because blood pressure constantly fluctuates, a result determined in this way is more reliable than one produced by a single measurement.

- After pressing the ON/OFF button, the  symbol appears in the display.
- The bottom, left hand section of the display shows numbers 1, 2 to indicate which of the 2 measurements is currently being taken.
- There is a break of 15 seconds between the measurements. A countdown indicates the remaining time.
- The individual results are not displayed. Your blood pressure will only be displayed after the 2 measurements are taken.
- Do not remove the cuff between measurements.
- If one of the individual measurements was questionable, a third one is automatically taken.



In the measuring

After reaching the inflation pressure, the pump stops and the pressure slowly falls away. The cuff-pressure is displayed during the measurement. When the device has detected the pulse, the heart symbol in the display begins to blink.

Measured result

Example 1.

The measured systolic and diastolic blood-pressure values as well as the pulse are now displayed.

Example (Fig.):

Systole 128, Diastole 70, Pulse 80, arrhythmia detected.



Example 2.

The measured systolic and diastolic blood-pressure values as well as the pulse are now displayed.

Example (Fig.):

Systole 128, Diastole 70, Pulse 80, Afib detected.



The measurement results are displayed until you switch the device off. If no button is pressed for 3 minutes, the device switches off automatically.

In Standard Single Mode

- To slide the AF switch on the side of the device downwards to position «1». Press the ON/OFF button, the pump begins to inflate the cuff. In the display, the increasing cuff-pressure is continually displayed.
- After reaching the inflation pressure, the pump stops and the pressure slowly falls away. The cuff-pressure is displayed during the measurement. When the device has detected the pulse, the heart symbol in the display begins to blink.
- The measured systolic and diastolic blood-pressure values as well as the pulse are now displayed.



Example (Fig.): Systole 128, Diastole 70, Pulse 80
 The measurement results are displayed until you switch the device off. If no button is pressed for 3 minutes, the device switches automatically off.



Arm Movement Indicator


The Arm Movement Error indicator is displayed, if you move your arm/body during the measurement. Please remove the arm cuff, and wait 2-3 minutes. Take another measurement, remain still during cuff inflation.

4.5. Discontinuing a measurement

If it is necessary to interrupt a blood pressure measurement for any reason (e.g. the patient feels unwell), the "ON/OFF" power button can be pressed at any time. The device then immediately lowers the cuff-pressure automatically.

4.6. Memory – storage and recall of the measurements

The blood-pressure monitors automatically stores each of 120 measurement values.

By pressing "M" MEMORY button,  to review an average value of the last 3 measurements and all of the records of 120 measurements (MR1, MR3, ..., Mr120) can be displayed.



a record measured by standard mode



a record with arrhythmia measured by standard mode




AFib is detected in AF mode

(MR1: Values of the oldest measurement)

4.7. Memory – cancellation of all measurements

Before you delete all readings stored in the memory, make sure you need not refer the readings at a later date. Keeping a written record is prudent and may provide additional information for your doctor's visit. In order to delete all stored readings, depress the MEMORY button for at least 7 seconds, the display will show the symbol «CL» and then release the button. To permanently clear the memory, press the MEMORY button while «CL» is flashing.

5. APPEARANCE OF THE HEART ARRHYTHMIA INDICATOR FOR EARLY DETECTION

This symbol  indicates detection of pulse irregularities during the measurement. In this case, the result may deviate from your normal blood pressure. In most cases, this is no cause for concern. However, if the symbol appears on a regular basis (e.g. several times a week with measurements taken daily) we advise you to consult your doctor.

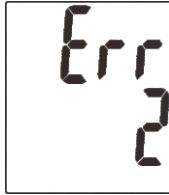
Information for the doctor on frequent appearance of the Arrhythmia indicator

This instrument is an oscillometric blood pressure monitor that also analyses pulse frequency during measurement. The instrument is clinically tested. The arrhythmia symbol is displayed after the measurement, if pulse irregularities occur during measurement. If the symbol appears more frequently (e.g. several times per week on measurements performed daily) we recommend the patient to seek medical advice. The instrument does not replace a cardiac examination, but serves to detect pulse irregularities at an early stage.



6. ERROR MESSAGES/MALFUNCTIONS

If an error occurs during a measurement, the measurement is discontinued and a corresponding error code is displayed (Example: Error No. 2).



Error No.	Possible cause(s)
ERR 1	No pulse has been detected.
ERR 2	Unnatural pressure impulses influence the measurement result. Reason: The arm was moved during the Measurement (Artefact).
ERR 3	The inflation of the cuff takes too long. The cuff is not correctly seated.
ERR 5	The measured readings indicated an unacceptable difference between systolic and diastolic pressures. Take other reading following directions carefully. Contact you doctor if you continue to get unusual readings.
Err8	Pressure in cuff is over 290 mmHg.

Other possible malfunctions and their elimination

If problems occur when using the device, the following points should be checked and if necessary, the corresponding measures are to be taken:

Malfunction	Remedy
The display remains empty when the instrument is switched on although the batteries are in place.	1. Check batteries for correct polarity and if necessary insert correctly. 2. If the display is unusual, re-insert batteries or exchange them.

The device frequently fails to measure the blood pressure values, or the values measured are too low (too high).

1. Check the positioning of the cuff.
2. Measure the blood-pressure again in peace and quiet under observance of the details made under point 5.

Every measurement produces a different value although the instrument functions normally and the values displayed are normal.

1. Please read the following information and the points listed under «Common sources of error». Repeat the measurement.

Please note: Blood pressure fluctuates continually so successive measurements will show some variability.

Blood pressure measured differs from those values measured by the doctor.

1. Record the daily development of the values and consult your doctor. **Please note: Individuals visiting their doctor frequently experience anxiety which can result in a higher reading at the doctor than obtained at home under resting conditions.**

Further Information

The level of blood-pressure is subject to fluctuations even with healthy people. Important thereby is, that comparable measurements always require the same conditions (Quiet conditions)!

If, in spite of observing all these factors, the fluctuations are larger than 15mmHg, and/or you hear irregular pulse tones on several occasions, please consult your doctor.

For licensing, the device has been subjected to strict clinical tests, by which the computer program used to measure the blood-pressure values was tested by experienced specialist doctors in Germany. The same computer program is used in every individual device, and has thus also been clinically tested.



The manufacture of the devices takes place according to the terms of the European standard for blood-pressure measuring devices (see technical data) You must consult your specialist dealer or chemist if there are technical problems with the blood-pressure instrument. **Never attempt to repair the instrument yourself!**

• 7. CARE AND MAINTENANCE, RE-CALIBRATION •

- a) Do not expose the device to extreme temperatures, humidity, dust, or direct sunlight.
- b) The cuff contains a sensitive air-tight bubble. Handle it carefully and avoid all types of straining through twisting or buckling.
- c) Clean the device with a soft and a dry cloth. Do not use petrol, thinners, or similar other solvents. Spots on the cuff can be removed carefully with damp cloth and soapsuds. The cuff must not be washed!
- d) Do not drop the instrument or treat it roughly in any way.
- e) Never open the device! Otherwise, the manufacturer calibration becomes invalid!

Periodical recalibration

Sensitive measuring devices must be checked for accuracy time to time. We therefore recommend a periodical inspection of the static pressure display every 2 years. Your specialist dealer would be pleased to provide more extensive information about this.

• 8. SAFETY, CARE AND DISPOSAL •


Safety and protection

- This instrument may be used only for the purpose described in this booklet. The manufacturer cannot be held responsible for the damage caused by incorrect application.
- This instrument comprises sensitive components therefore must be treated with caution. Observe the storage and operating conditions described in the "Technical specifications" section!
- Protect it from water and moisture, extreme temperatures, impact and dropping, contamination and dust, direct sunlight, heat and cold, etc.
- The cuff is sensitive and must be handled with care.
- Only pump up the cuff once fitted.
- Do not use the instrument close to strong electromagnetic fields such as cellphones or radio installations.
- Do not use the instrument if you think it is damaged or notice anything unusual.
- If the instrument is not going to be used for a prolonged period, the batteries should be removed. Read the additional safety instructions in the individual sections of this booklet.
- Ensure that children do not use the instrument unsupervised: some parts are small enough to be swallowed.
- Must use the recognized accessories, detachable parts and materials, if the use of other parts or materials can degrade minimum safety.
- A warning to remove primary batteries if the instruments is not likely to be used for some time.

Instrument care

Clean the instrument only with a soft and dry cloth.

Disposal

 Batteries and electronic instruments must be disposed off in accordance with the locally applicable regulations, not with domestic waste.



• 9. REFERENCE TO STANDARDS •

Device Standard: Device corresponds to the requirements of the European standard for

Standard
IEC60601-1-6:2010+A1:2013/ EN60601-1-6:2010+A1:2015
IEC60601-1:2005+A1:2012/EN60601-1:2006+A11:2011+A1:2013+A12:2014
IEC60601-1-2:2014/ EN60601-1-2:2015
IEC/EN60601-1-11:2015
IEC80601-2-30:2009+A1:2013/EN80601-2-30:2010+A1:2015


The stipulations of the EU-Guidelines 93/42/EEC for Medical Products Class IIa have been fulfilled.

• 10. TECHNICAL SPECIFICATIONS •

Measurement Procedure	Oscillometric , corresponding to Korotkoff method: Phase I : systolic , Phase V: diastolic
Display	Digital display

Measuring range	Pressure: 30 to 280 mmHg (in 1 mmHg increment) Pulse: 40 to 199 beat/minute
Static accuracy	Pressure: ± 3 mmHg / Pulse: $\pm 5\%$ of reading
Measuring resolution	1mmHg
Inflation	Automatic inflation by internal pump
Memory function	2 x 120 memories for 2 users (SYS, DIA, Pulse)
Decompression	Constant exhaust valve system
Power Source	4- size "AA" alkaline Batteries
Operation Temperature	5~40°C/41~104°F
Operation Humidity	15%~85%RH maximum
Storage Temperature	-20~+55°C/~4~+131°F
Storage Humidity	10%~95%RH maximum
Dimensions	113×90×56±1.0 mm



Weight	518 g±5g (including batteries and cuff)
Cuff pressure display range	0~290mmHg/0~38.7kPa
Electrical shock protection:	Internal power unit
Safety classifications:	Type BF equipment
Mode of operation:	Continuous operation
Protection against ingress of water:	IP22
Accessories:	M-L size Cuff , 4 "AA" batteries, string bag, instruction manual, adapter
Notice: - Adapter must comply with EN60601-1, EN60601-1-2 	

• 11. MANUFACTURER'S DECLARATION •

Dr Trust AFIB Pro Blood Pressure Monitor 102 is intended for use in the electromagnetic environment specified below. The customer or the user of Afib Pro should assure that it is used in such an environment. Electromagnetic Emissions:(IEC60601-1-2).

Electromagnetic Emissions: (IEC60601-1-2)


Emission Test	Compliance	Electromagnetic Environment
RF emission CISPR 11	Group 1	Dr Trust AFIB Pro Blood Pressure Monitor 102 uses RF energy only for internal functions. Therefore, this RF emission is extremely weak and there is little chance of it creating any kind of interference whatsoever with nearby electronic equipment.
RF emissions CISPR 11	Class B	Dr Trust Afib Pro Blood Pressure Monitor 102 is suitable for use in all establishments, including domestic establishments and those directly connected to the public low voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Not applicable	
Voltage fluctuations/flicker IEC 61000-3-3	Not applicable	

Electromagnetic Immunity: (IEC60601-1-2)

Immunity test	IEC60601-1-2 test level	Compliance level	Electromagnetic environment -guidance
Electrostatic discharge (ESD) IEC 61000-4-2	±6 kV contact ±8 kV air	±6 kV contact ±8 kV air	Floors should be wood, concrete, or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30 %.



Electric fast transient/ burst IEC 61000-4-4	±2 kV for power supply lines ±1 kV for input/output lines	Not applicable	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	±1 kV differential mode ±2 kV common mode	Not applicable	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions, and voltage variations on power supply input lines IEC 61000-4-11	<5 % UT (95% dip in UT.) for 0.5 cycle 40 % UT (60% dip in UT) for 5 cycles 70 % UT (30% dip in UT) for 25 cycles <5 % UT (95% dip in UT) for 5 sec.	Not applicable	Mains power quality should be that of a typical commercial or hospital environment. If the user of the upper arm style requires continued operation during power mains interruptions, it is recommended that Dr Trust AFIB Pro Blood Pressure Monitor 102 with MDI be powered from an uninterruptible power supply or a battery.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A/m	Not applicable	Not applicable
Note: UT is the a.c. mains voltage prior to application of the test level.			

Immunity test	IEC60601-1-2 test level	IEC60601-1-2 test level	Electromagnetic environment - guidance
Conducted RF IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz 80% AM (2Hz)	3 Vrms	Portable and mobile RF communications equipment should be used no closer to any part of Dr Trust AFIB Pro Blood Pressure Monitor 102, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommend separation distance is 3V $d = 1.2 \times p^{1/2}$ 80MHz to 800 MHz $d = 2.3 \times p^{1/2}$ MHz to 2.5 GHz Where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m). Field strengths from fixed RF transmitters as determined by an electromagnetic site survey ^a , should be less than the compliance level in each frequency range ^b . Interference may occur in the vicinity of equipment marked with the following symbol: 
Radiated RF IEC 61000-4-3	3 Vrms 80 MHz to 2.5 GHz 80% AM (2Hz)	3 V/m	



Note1: At 80 MHz and 800 MHz, the higher frequency range applies.
 Note2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects, and people.

^aField strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the Dr Trust AFIB Pro Blood Pressure Monitor 102 is used exceeds the applicable RF compliance level above, Dr Trust AFIB Pro Blood Pressure Monitor 102 should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating Dr Trust AFIB Pro Blood Pressure Monitor 102.

^bOver the frequency range 150 kHz to 80MHz, field strengths should be less than 3 V/m.

Recommended Separation Distances:

Recommended separation distance between portable and mobile RF communications equipment and Dr Trust AFIB Pro Blood Pressure Monitor 102.

Dr Trust AFIB Pro Blood Pressure Monitor 102 is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of Dr Trust AFIB Pro Blood Pressure Monitor 102 can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and Dr Trust AFIB Pro Blood Pressure Monitor 102 as recommended below, according to the maximum output power of the communications equipment.

Rated maximum output power of transmitter (W)	Separation distance according to frequency of transmitter m		
	150 kHz to 80 MHz $d = 1.2 \times p^{1/2}$	80 MHz to 800 MHz $d = 1.2 \times p^{1/2}$	800 MHz to 2.5 GHz $d = 2.3 \times p^{1/2}$
0.01	0.12	0.12	0.23
0.1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23












For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be determined using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

Note1: At 80MHz and 800MHz, the separation distance for the higher frequency range applies

Note2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

Remark

	Some electrical and electrical equipment forbid to abandon and disposal at will
	Manufacturer's name and address
	Inapplicable baby
	Cuff Connector
	Attention consult accompanying documents
ingress of water	IP 22
	TUV NO.
	Reading Instruction Book before use
	Type BF equipment
	AC/DC Adapter

• **CUSTOMER SUPPORT** •

CONTACT ADDRESS

USA

Nureca INC.USA
276 5th Avenue, Suite 704-397,
New York (NY) - 10001, USA

INDIA

Corporate Office (Mumbai)

Nureca Limited
128 Gala Number Udyog Bhavan,
1st Floor Sonawala Lane, Goregaon East
Mumbai City Maharashtra 400063

Contact us

India: +91-7527013265 /+91-9356658436

Website: www.drtrust.in

Corp Website: www.nureca.com

Customer Care Executive Email: customercare@nureca.com

Connect with us on social networks

Facebook: @drtrust

Instagram: @drtrustisin

Youtube: NurecaUsa

COPYRIGHT © 2021 NURECA LTD ALL RIGHTS RESERVED



Scan to View
Product Demo Video
www.drtrustusa.com/102