We believe in our product and stand behind its quality. If you have any questions or concerns, feel free to contact us directly at

support@iproven.com

If you're unsatisfied with your product for any reason, we will provide a hassle-free replacement or refund within 100 days of your purchase.

Our product comes with a 5-year warranty.

Our Promise:

- **We reply within 24 hours**
- **100-days refund policy**
- **A hassle-free solution**

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Upper Arm Blood Pressure Monitor

BPM-35

Instruction Manual

Scan for online copy

Manual Version: 13082024

iProven

⚠ Read This Before Use

Congratulations on choosing iProven's Blood Pressure Monitor BPM-35. With its descending algorithm and iProven's quality standards, this BPM is clinically accurate and easy to use.

Why is this Blood Pressure Monitor more accurate?

Unlike other Blood Pressure Monitors on the market, the BPM-35 uses a DESCENDING ALGORITHM. This means that this device measures during **deflation** of the cuff, compared to regular algorithms that measure during **inflation**. This is more accurate and closely mimics the auscultatory method used at your doctor's office.

How do you know if measurements are accurate?

- Ensure your BPM matches the readings you get at your doctor's office.
- Take multiple readings with at least 3 minutes in between each; if they are consistent, your BPM is accurate. If they vary significantly, it may be inaccurate.

What to expect?

- Higher Pressure: The cuff may feel tighter during inflation.
- Slower Deflation: Deflation might take a bit longer, but this is worth the precision.
- Clinical Accuracy: Reliable & consistent measurements to keep track of your health.

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Introduction

Thank you for choosing iProven. Please read the instructions carefully to use this device accurately and safely.
The BPM-35 measures and records your blood pressure and pulse rate using the Oscillometric method, which relies on pressure sensors for greater accuracy. Unlike other devices that measure during cuff inflation, the BPM-35 uses a descending algorithm to measure as the cuff deflates, closely mimicking the auscultatory method used in medical settings.
This method may feel slightly different, enhancing your readings' accuracy, and ensuring that you receive the most reliable health information.

The device can store up to 99 readings. If you use the device with the MedM app on your smartphone, you can store unlimited measurements. It calculates an average of the last three readings taken within 30 minutes, helping you monitor your health and detect hypertension trends. It will display the last stored reading if you didn't take 3 consecutive measurements.
The device is FDA-approved and includes a World Health Organization (WHO) blood pressure indicator and a five-year warranty.
It is important to perform measurements in the way described in this manual. Results may be invalid or inaccurate if performed in another way. Keep this manual within reach for future reference, or visit www.iproven.com for the digital version.

iProven
Professional Care Brought Home

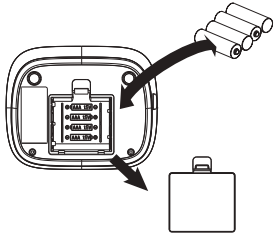
Watch our instruction video using this link:
iproven.com/bpm-35
or scan the QR code

Intended Use of the Blood Pressure Monitor

This Blood Pressure Monitor is a digital monitor intended for use in measuring blood pressure and pulse rate with arm circumference ranging from 22cm to 32cm (about 8¾″-12½″) or 22cm to 42cm (about 8¾″-16½″). It is intended for adult indoor use only.

Installing and Replacing the Batteries

The device operates with 4 AAA batteries. Please follow the instructions below for proper installation or replacement.



To install the batteries:
1. Open the battery cover.
2. Insert four AAA batteries as per the symbols in the battery compartment.
3. Close the battery cover.

You can replace the batteries when the bAt Lo + displays.

Setting Date and Time

It is important to set the clock before using your blood pressure monitor. This enables you to assign a timestamp to each record stored in the memory (setting range of the year: 2023—2053; time format: 12H/24H).

1. **When powering on the device for the first time,** it will enter the setting mode directly. Alternatively, **when the monitor is off,** long press both the 'START/STOP' and MEM to enter setting mode.

2. Initially, the Bluetooth symbol will appear. Press the button to enter the [Year] setting, where [Year] will flash. Use the button to advance the years and the button to confirm the selected year.

3. Next, [Month] will flash. Repeat the steps above to set the month, day, hour, and minute. Once [Minute] is set, the LCD will display "OK" and then turn off automatically.

Using the App

Our device functions seamlessly with or without an app. If you choose to use the app, please follow these steps:

1. Download the 'Health Diary by MedM' app on your smartphone.

2. Enable Bluetooth on your phone and open the MedM app.
3. Press the START STOP and buttons simultaneously on the monitor. The Bluetooth symbol will start flashing, indicating it is in pairing mode.
4. Follow the cues on the app to pair the device.
5. Once the device pairs successfully, the Bluetooth symbol will stop flashing, and the monitor will display 'OK.'*
6. After a few seconds, the monitor will automatically shut down. Once pairing is successful, the date and time will be set automatically.

Discover everything about the app on iproven.com/bpm-35

*If pairing fails, the monitor will shut down after 60 seconds.

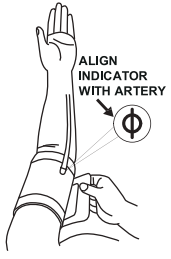
Before Using Your Device

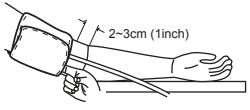
Always use the same arm for measurements to get accurate results and the best insight into your blood pressure pattern. The left arm is recommended due to its better blood flow.

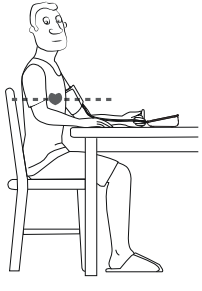
- Try to measure your blood pressure at the same time(s) each day.
- Do not operate the device in cold environments.
- Avoid consuming hot drinks, caffeine, tobacco, food, and alcohol, and refrain from strenuous exercises at least 30 minutes before taking your measurement.
- Empty your bladder before starting the measurement.

Preparing the Measurement

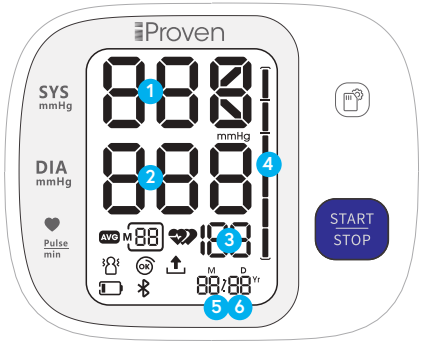
Before taking a measurement, sit down and relax for 3 minutes. This allows your blood pressure to stabilize.







- Remove all accessories from your wrist and arm (bracelets, watches, etc.) before strapping the cuff to your arm.
- Roll up your sleeve to reveal the skin of your upper arm, ensuring that the sleeve isn't too tight.
- Hold your arm with your palm facing up, and slide the cuff onto your upper arm approximately one inch above the bend in your elbow.
- Position the tube off-center toward the inner side of the arm in line with the little finger. Or position the artery mark on the cuff over the main artery.
- Fasten the cuff to your arm tightly but not painfully. There should be a one-finger space between the cuff and your skin.
- Ensure that your arm is resting on a flat surface, with your palm facing up.
- Sit comfortably with your back straight and supported.
- Keep your feet flat on the floor, and do not cross your legs.
- The cuff on your arm should be placed at heart level.



Taking a Measurement

1. Breathe slowly 5 times, then press the START STOP button to begin the measurement. Keep your arm still.
2. A flashing indicates that the cuff is detected. If it is correctly secured, it changes to OK during the measurement.
3. The measured air pressure will calibrate to zero, and then the cuff will inflate.
4. The actual measurement will start when the top blood pressure has been reached.
5. The cuff will deflate slowly and finish when the lowest blood pressure has been determined.
6. Now, the display will show the reading and save it in the memory.
7. If you use the app, the will blink to indicate that your reading is being transferred into the app.
8. The will stop blinking after having successfully transmitted your reading.
9. If not all of your measurements have been transmitted into the app, the will display.
10. After data transmission, the will disappear.
11. The device will switch off automatically after 60 seconds.

Please note

- You can stop the device from taking a measurement at any time by pressing the START STOP button.
- If the flashes, there has been too much movement, and you must hold your arm still.
- Do not move or talk while taking a measurement.
- Wait at least 3 minutes before taking another measurement. This will allow your blood circulation to recover.
- When you take 3 measurements within 30 minutes, the device will display the average of the 3 last measurements.
- When you take a reading, you don't have to transfer the data into the app right away. Synchronizing once a day or once a week is enough.
- You can easily synchronize your readings by opening the app on your smartphone. Enter the memory by pressing the button. Synchronizing will start automatically.

Understanding the Results

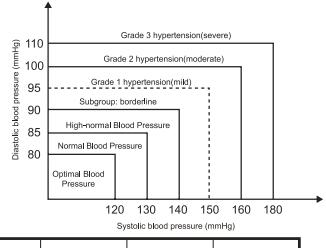
Upon completing your measurement, the display will show your higher blood pressure 1 and lower blood pressure 2, your pulse rate 3, and the WHO blood pressure indication 4. You will also see the date 5 and time 6 of your reading. The will display If you have an irregular pulse rate (see Irregular pulse rate section for more info).

Basic Info About Blood Pressure

Systolic pressure 1 means that the ventricles contract and pump out blood, increasing the blood pressure. This is sometimes referred to as the “higher number.” **Diastolic pressure** 2 means that the ventricles relax, causing the blood pressure to decrease. This is sometimes referred to as the “lower number.”

What is the standard blood pressure classification? 4

The blood pressure classification published by the World Health Organization (WHO) and the International Society of Hypertension (ISH) in 1999 is as follows:



Blood Pressure (mm Hg) \ Level	Optimal	Normal	High-normal	Mild	Moderate	Severe
SYS	<120	120-129	130-139	140-159	160-179	≥180
DIA	<80	80-84	85-89	90-99	100-109	≥110

Irregular Pulse Rate Detection

This device is equipped with irregular pulse rate detection. The algorithm of the device compares the longest and shortest intervals of registered pulse waves (the time interval) and calculates the standard deviation. If the differences in the time intervals are more than 25%, you have an irregular pulse rate, and the will appear on the display. If the device detects irregular pulse rate during consecutive measurements and you are following the correct procedure, please consult your doctor.

Changes in Blood Pressure

Many factors cause fluctuations in blood pressure, including weather, emotions, stress, food, and physical activities. Bear in mind that measuring in clinical settings tends to increase blood pressure, which is called the “white coat effect.”

Recalling Your Readings

Press the button to scroll your readings when the device is off. Press the button again to go to your next record. This can help you to see if your levels are improving.

Note: The most recent record is shown first. All other records are pushed back one digit (e.g. 2 becomes 3, and so on), and the last record (99) is dropped from the list.

If you measure three times in 30 minutes, the device will first display the average of the three readings and then display each reading separately. Alternatively, you can use the app to keep track of your results.

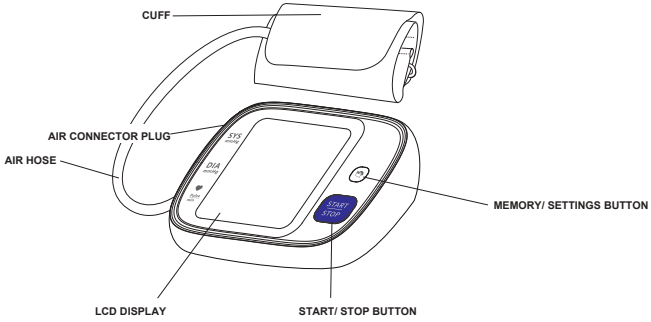
Deleting the Records

You can delete all results by following the steps below:

1. Enter the memory recall mode by pressing the button as described in section [Recalling your readings].
2. Press and hold the button and START/STOP button for 3 seconds, and the display will show a blinking “dEL ALL”.
3. Use the button to switch between “dEL ALL” and “dEL no.” Press and START/STOP simultaneously to confirm the selection.

If “dEL ALL” is selected, it will delete all the current user's records. Several seconds later, it will display “---.” If “dEL no” is selected, it will stop the deletion.

Components of the BPM



SYMBOL	DESCRIPTION	EXPLANATION
SYS	Systolic blood pressure	High pressure result
DIA	Diastolic blood pressure	Low pressure result
Pulse /min	Pulse display	Pulse in beats per minute
mmHg	mmHg	Measurement unit of blood pressure
	Blood pressure level	Indicates blood pressure level
M D Yr	Current Time	Time(year:month:day:hour:minute)
	Pulse rate	Pulse rate dectetion during measurement
	Movement	Movement makes results inaccurate
	Battery Indicator	Indicate the current battery
	Irregular pulse rate	Irregular pulse rate
M	Memory Query	Indicate it is in the memory mode and which group of memory it is.
AVG	Average sign	The average of the last 3 measurements (within 30 minutes)
OK	Cuff OK	The cuff is secured
	Bluetooth icon	Indicate the bluetooth is working
	Upload icon	Readings are ready to be transmitted

If you have trouble using the device, please check the following:

PROBLEM	SYMPTOM	CHECK THIS	REMEDY
No power	Display can not light up.	Batteries are depleted.	Replace with new batteries.
		Batteries are inserted incorrectly.	Insert the batteries correctly.
High Battery	bAt H shows	The battery is too high.	Replace with the correct DC plug.
Low Battery	bAt Lo& shows	The battery is too low.	Replace with new batteries.
Error message	E 1 shows	The cuff is not wrapped or wrapped incorrectly, or the cuff air plug is loose.	Refasten the cuff and insert air tube plug correctly then measure again.
	E 2 or shows	Excessive body motion (such as shaking of the arm with the cuff on) or weak Pulse is detected.	Relax for 5 minutes. and then keep still, measure again.
	E 3 shows	Pulse is not detected during measuring.	Loosen the clothing on the arm and measure again.
	E 4 shows	The measurement failed.	Relax for 5 minutes and measure again.
	EExx shows	A calibration error occurred (XX can be some digital symbol, such as 01, 02,etc., if this similar situation appear, all belong to calibration error.)	Retake the measurement.If the problem persists, contact the retailer or our customer service department for further assistance. Refer to the warranty for contact information and return instructions.
Warning message	out shows	Out of measurement range	Relax for a moment and then measure again. If the problem persists, contact your physician.

NOTE: If the product still does not work, contact Customer Service. Under no circumstance should you disassemble or attempt to repair the unit by yourself.

Power supply	Battery powered mode: 6VDC 4×AAA batteries
Display mode	Digital LCD V.A.74.5mm × 54.7mm
Measurement mode	Oscillographic testing mode
Measurement range	Rated cuff pressure: 0mmHg~299mmHg Measurement pressure: SYS: 55mmHg~255mmHg DIA: 25mmHg~200mmHg Pulse value: (40-199)beat/minute
Accuracy	Static Pressure: 5℃-40℃ within ±3mmHg Pulse value: ±5% Clinical validation: Mean difference within ±5mmHg; Standard deviation ≤8mmHg
Normal working condition	A temperature range of: +5°C to +40°C A relative humidity range of 15% to 90%, non-condensing, but notrequiring a water vapour partial pressure greater than 50 hPa An atmospheric pressure range of 700 hPa to 1060 hPa
Storage & transportation condition	Temperature:-20°C to +60°C A relative humidity range of ≤ 93%, non-condensing, at a water vapour pressure up to 50 hPa An atmospheric pressure range of 500 hPa to 1060 hPa
Measurement perimeter of the upper arm	About 22cm~32cm or 22cm~42cm
Weight	Approx.211g (Excluding the batteries and cuff)
External dimensions	Approx.121.3mm × 98.8mm × 42.3mm
Attachment	4×AAA batteries,User manual
Mode of operation	Continuous operation
Degree of protection	Type BF applied part
Protection against ingress of water	IP21 It means the device could be protected against solid foreign objects of 12,5mm Φ and greater, and against vertically falling water drops.
Device Classification	Battery Powered Mode: Internally Powered ME Equipment
Software Version	A01
Expected Lifetime	Device: 3 years or 30,000 measurements (may vary based on usage conditions) Cuff: 10000 times Alkaline battery: About 200-300 times
Types of use/reuse	Multiple patient multiple use

⚠ WARNING: No modification of this equipment is allowed.

Specifications for Bluetooth Transmission		
Bluetooth	Throughput	2.5K-5K
	Latency	50ms
	PER	＜10%
	Operating Frequency	2402-2480MHz
	Transmission Power	0±2dBm
	Transmission Distance	10m

Caution

- This Blood Pressure Monitor is intended to be operated by adults, including medical staff.
- This device is intended for indoor home use and is not intended for self-use in public areas.
- This device is portable but not intended for use during patient transport.
- This device is not suitable for continuous monitoring during medical emergencies or operations.
- This device is intended for non-invasive measuring and monitoring of arterial blood pressure. It is not intended for use on extremities other than the arm or for any purpose other than obtaining a blood pressure measurement.
- This device is intended for adults only. Do not use it on neonates, infants, or children.
- Consult with your physician before using this monitor if you suffer from the following conditions: common arrhythmias such as premature ventricular beats or atrial fibrillation; peripheral arterial disease; pregnancy; preeclampsia; implantation with electrical devices; undergoing intravascular therapy; arteriovenous shunt or mastectomy. Please note that any of these conditions may affect measurement readings in addition to patient motion, trembling, or shivering.
- If you are taking medication, consult your physician to determine the proper time to measure your blood pressure.
- This device may be used only for the intended use described in this manual, iProven shall have no liability for any incidental, consequential, or special damages caused by misuse or abuse.
- Please bear in mind:
  - Only a physician can tell your normal BP range.
  - Please contact a physician if your measuring result falls out of the range. Please note that only a physician can tell whether your blood pressure value has reached a dangerous point.

- If the displays, this indicates that a pulse irregularity consistent with an irregular pulse rate was detected during measurement. Usually, this is NOT a cause for concern. However, if the symbol appears often, we recommend you seek medical advice. Please note that the irregular pulse rate detector results cannot be used directly for clinical judgment. Please seek medical advice from professionals before making any medical decisions.
- Please use the device under the environment provided in the user manual. Otherwise, the device's performance and lifetime will be impacted and reduced.
- If this device's storage temperature differs from the room temperature, please allow 30 minutes for it to adjust before using it.
- The blood pressure monitor and the cuff are suitable for use within the user's environment.
- Do not wash the cuff in a washing machine or dishwasher.
- The device contains sensitive electronic components. To avoid measurement errors, avoid taking blood pressure measurements near a strong electromagnetic field radiated interference signal or electrical fast transient/burst signal.
- Wireless communication equipment, such as wireless home network devices, mobile phones, cordless telephones and their base stations, and walkie-talkies, may cause interference that may affect the accuracy of measurements. A minimum distance of 1 foot (30 cm) should be kept from such devices during a measurement.
- DO NOT attempt to repair the device yourself if it malfunctions. Only have repairs carried out by authorized service centers.
- It is recommended that the performance should be checked after repair, maintenance, and every two years of use by retesting the requirements within limits of the error of the cuff pressure indication and air leakage (testing at least at 50 mmHg and 200 mmHg). Please contact the manufacturer or distributor for authorized service personnel.
- Store your device and cuff clean and dry, and protect it against extreme moisture, heat, lint, dust, and direct sunlight. Never place any heavy objects on it.
- Make sure the rubber tube of the cuff is not squeezed, stretched, or kinked during storage.
- Dispose of accessories, detachable parts, and the device according to the local guidelines.
- Do not use new and used batteries or different types of batteries together.
- Remove batteries if the device is not likely to be used for some time.
- Do not heat or deform the batteries or dispose of them in fire.
- Batteries should not be disposed of with household waste. Please check with

your local authority for battery recycling advice.

- To get the best effect and protect your monitor, please use the right batteries that comply with local safety standards.
- The necessary Quality of Service (QoS) is fully considered here for wirelessly enabled functions.
- Interference may occur in the vicinity of equipment marked with the following symbol:  The BPM-35 may also interfere with the vicinal electrical equipment.
- Keep the monitor at least 20 centimeters away from the human body (especially the head) when data transmission is proceeding after measurement.
- This device shall be paired to an appropriate BT mobile terminal to enable the data transmission function.
- Wireless communication interference: The monitor operates in the unlicensed ISM band at 2.4 GHz. If it is used around other wireless devices, including microwaves and wireless LANs, which operate at the same frequency band as the monitor, interference may occur between the monitor and such other devices. If such interference occurs, please stop the operation of other devices, relocate the monitor before using it, or do not use it around the other wireless devices.
- Please be aware that if Bluetooth is switched on, there may be a risk of cybersecurity issues. Please consider the following:
  - DO NOT casually use the blood pressure monitor for others, as it may lead to leakage of personal measurement data.
  - DO NOT allow others to log into the app, as it may lead to leakage of measurement data.
  - DO NOT casually use the app account for others, as this may lead to the leakage of personal measurement data.
  - DO NOT connect the blood pressure at places with poor network or wireless connectivity, as it may interrupt data upload and lead to deficient data.
  - The password of the app account should be set as possibly complicated and well-kept for the sake of account security.
  - Be aware of environmental security when setting a password.
  - Updating the app account password at least once every 3 months is recommended.
  - DO NOT use apps that are not authorized by the manufacturer.

Warnings

- DO NOT self-diagnose the measurement results and start treatment by yourself. The measurement results given by this device are not a diagnosis. ALWAYS consult your doctor for evaluation of the results and treatment.
- DO NOT adjust medication based on readings from this blood pressure monitor. Take medication as prescribed by your physician. ONLY a physician is qualified to diagnose and treat high blood pressure.
- DO NOT apply the cuff on an arm that has an intravenous drip or a blood transfusion attached.
- DO NOT kink, fold, stretch, compress, or otherwise deform the tube during measuring, as the cuff pressure might continuously increase, which could prevent blood flow and result in injury.
- Taking blood pressure measurements too frequently could disrupt blood circulation and cause injuries.
- DO NOT apply the cuff to areas on the patient where the skin is delicate or damaged. Check the cuff site frequently for irritation.
- DO NOT place the cuff on the arm of a person whose arteries or veins are undergoing medical treatment, such as intra-vascular access, intra-vascular therapy, or an arteriovenous (A-V) shunt, as this could disrupt blood circulation and cause injuries.
- DO NOT place the cuff on the arm on the same side of a mastectomy (especially when lymph nodes have been removed). It is recommended to take measurements on the unaffected side.
- DO NOT wrap the cuff on the same arm to which another monitoring device is applied. One or both devices could temporarily stop functioning if you try to use them at the same time.
- Please check (for example, by observing the limb concerned) that the device's operation does not result in prolonged impairment of patient blood circulation.
- On the rare occasion of a fault causing the cuff to remain fully inflated during measurement, loosen and remove the cuff immediately. Prolonged high pressure applied to the arm (cuff pressure >300 mmHg or constant pressure >15 mmHg for more than 3 minutes) might lead to bruising and discolored skin.
- DO NOT use this device with high-frequency (HF) surgical equipment at the same time.
- This device is not intended for use in conjunction with oxygen-rich environments, flammable anesthetics, or flammable agents.
- DO NOT touch the output of the batteries and the user simultaneously.
- DO NOT position the equipment so that it is difficult to reach or disconnect.

- DO NOT use this device if you are allergic to polyester, nylon, or plastic.
- Only use accessories approved by the manufacturer. Using unapproved accessories might cause damage to the unit and injure users.
- If you experience discomfort during measurement, such as pain in the arm or other complaints, press the Power button immediately to release the air from the cuff.
- DO NOT use the device while under maintenance or being serviced.
- The air tube poses a risk of strangulation. Furthermore, the small parts of the product and batteries present a choking hazard if swallowed. They should, therefore, always be kept away from infants/children.
- Sensor degradation or looseness may reduce the performance of the device or cause other problems.

Please note

- You can use this device to take your own measurements; no third-party operator is required.
- The manufacturer or distributor will provide circuit diagrams, component part lists, descriptions, and calibration procedures upon request by authorized service personnel.
- The expected lifetime of the cuff may vary by the frequency of washing, skin condition, and storage state.
- Please report to the manufacturer and the competent authority of the Member State / the FDA in which you are established about any serious incident concerning this device.

Safety Information

The signs below might be in the user manual, labeling, or other component. They are the requirement of standard and use.

	Recyclable		Type BF applied part
	Direct Current	SN	Serial Number
	Date of manufacture		Manufacturer
	Refer to instruction manual/booklet. To signify that the instruction manual/ booklet must be read. Note: The background color of the symbol is blue.		
MR	MR Unsafe. To identify an item which poses unacceptable risks to the patient, medical staff or other persons within the MR environment.		
	Caution: Indicates that caution is necessary when operating the device or control close to where the symbol is placed, or that the current situation needs operator awareness or operator action in order to avoid undesirable consequences.		
	The symbol indicates that the product should not be discarded as unsorted waste but must be sent to separate collection facilities for recovery and recycling.		

Maintenance

Place the device away from the sun and store it in a dry place. When you want to clean the device, use a dry cloth. Do not place it in water or clean it with wet cloths. Also, be careful not to shake or throw the device. For better performance, keep it in a room with a stable temperature and away from dust. The cuff should not be cleaned as it may affect the accuracy of the reading.

EMC Guidance

The ME EQUIPMENT or ME SYSTEM is suitable for home healthcare environments.

Essential performance
Accuracy of measuring blood pressure and pulse rate

Measurement Range
Systolic pressure: 55-255 mmHg
Diastolic pressure: 25-200 mmHg
Pulse: 40-199 beats/minute

Rated Cuff Pressure
0-299 mmHg (0-39.9 kPa)

Accuracy
Pressure: ±3 mmHg / 0.4 kPa
Pulse: ±5%

The basic safety of the Blood Pressure Monitor (BPM-35) is as follows: Deviation from normal operation that poses an unacceptable risk to the patient or operator.

⚠**Warning:** Don't be near the active HF surgical equipment and the RF-shielded room of an ME system for magnetic resonance imaging, where the intensity of EM disturbances is high. Warning: Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally. Warning: Use of accessories, transducers, and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation. Warning: Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the equipment, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.

Technical description
1. All necessary instructions for maintaining BASIC SAFETY and ESSENTIAL PERFORMANCE with regard to electromagnetic disturbances for the expected lifetime.
2. Guidance and manufacturer's declaration-electromagnetic emissions and immunity.

Table 1

Guidance and manufacturer's declaration - electromagnetic emissions	
Emissions test	**Compliance**
RF emissions CISPR 11	Group 1
RF emissions CISPR 11	Class [B]
Harmonic emissions IEC 61000-3-2	Not applicable
Voltage fluctuations / flicker emissions IEC 61000-3-3	Not applicable

Table 2

Guidance and manufacturer's declaration – electromagnetic Immunity		
Immunity Test	IEC 60601-1-2 Test level	Compliance level
Electrostatic discharge (ESD) IEC 61000-4-2	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air
Electrical fast transient/burst IEC 61000-4-4	Not applicable	Not applicable
Surge IEC61000-4-5	Not applicable	Not applicable
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	Not applicable	Not applicable
Power frequency magnetic field IEC 61000-4-8	30 A/m 50 Hz / 60 Hz	30 A/m 50 Hz / 60 Hz
Conduced RF IEC61000-4-6	Not applicable	Not applicable
Radiated RF IEC61000-4-3	10 V/m 80 MHz – 2,7 GHz 80% AM at 1 kHz	10 V/m 80 MHz – 2,7 GHz 80% AM at 1 kHz
NOTE U_T is the a.c. mains voltage prior to application of the test level.		

Table 3

Guidance and manufacturer's declaration - electromagnetic Immunity								
Radiated RF IEC61000-4-3 (Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communicati-ons equipment)	Test Frequency (MHz)	Band (MHz)	Service	Modulation	Maximum Power (W)	Distance (m)	IEC 60601-1-2 Test Level (V/m)	Compliance level (V/m)
	385	380-390	TETRA 400	Pulse modulation 18 Hz	1.8	0.3	27	27
	450	430-470	GMRS 460, FRS 460	FM ± 5k Hz deviation 1 kHz sine	2	0.3	28	28
	710	704-787	LTE Band 13, 17	Pulse modulation 217 Hz	0.2	0.3	9	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	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	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	28
	5240	5100-5800	WLAN 802.11 a/n	Pulse modulation 217 Hz	0.2	0.3	9	9
	5500							
	5785							

FCC Statement

FCC ID: OU9BBZ32-AA01

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Regulatory Compliance

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF Exposure Compliance

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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Warranty

This Limited Warranty covers any defects in materials or workmanship under normal use during the Warranty Period. iProven will either replace the product or repair the product at no charge, using new or refurbished replacement parts. The warranty period for this iProven product is 5 years from the date of purchase. A replacement product or product part assumes the remaining warranty of the original product purchase. This Limited Warranty does not cover batteries and packaging, nor any problem that is caused by conditions, malfunctions, or damage not resulting from defects in material or workmanship.

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