INSTRUCTION MANUAL

MxOnda

FULLY AUTOMATIC ELECTRONIC BLOOD PRESSURE MONITOR WITH SPEECH MESSAGE

MODELO: **MX-CP2395**

CE 0197

PLEASE READ THIS MANUAL BEFORE USE

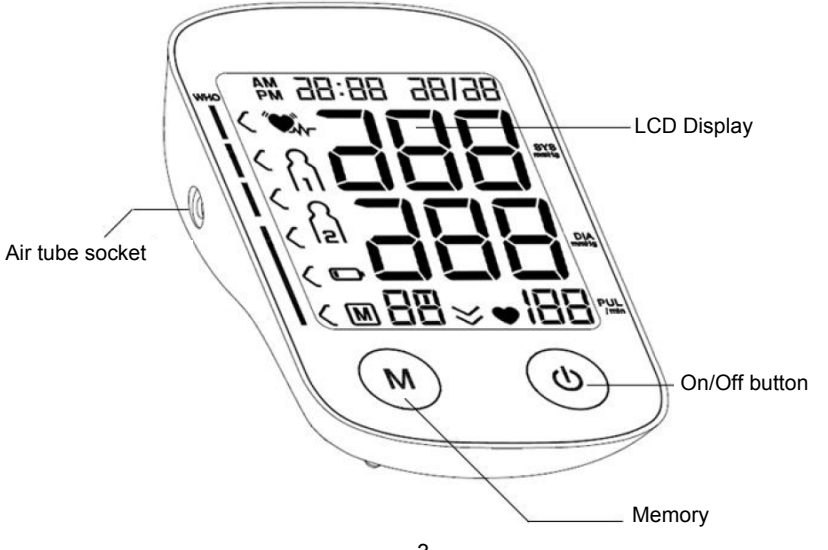
BEFORE USING THE TENSIOMETER

- Read these instructions carefully and keep them for future use.
- After removing the packaging, check that the appliance is not damaged. If in doubt, do not use the appliance; Contact technical support personnel.
- Packaging materials (plastic bags, polystyrene foam, etc.) should not be left out of the reach of children, as they are a potential source of danger.
- The manufacturer declines all responsibility for damages arising from improper, incorrect or reckless use of the appliance.
- This equipment has no part that can be repaired by you, in case of a malfunction, contact an Official MX ONDA Service Center.
- This appliance is designed for home use ONLY. In case of professional use, improper use or failure to follow the instructions, the manufacturer declines all responsibility, accepts no responsibility and the warranty will be invalid.
- Use only the supplied cuff, otherwise it may cause damage to the unit and errors in measurements.
- If the appliance has been dropped or if it does not work properly, refrain from using it and do not attempt to disassemble or repair it. Contact your dealer or nearest MX ONDA Service Center.

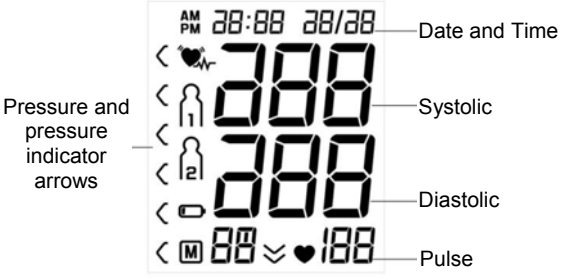
ATTENTION

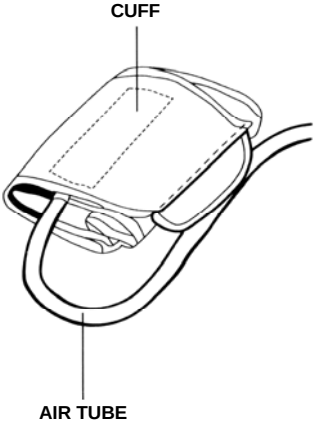
THIS PRESSURE MONITOR MUST BE USED ONLY BY ADULTS

NAME OF EACH PART



DISPLAY INDICATIONS AND CUFF





Symbol	Condition / cause
	This symbol appears when the pulse has been found.
	This symbol appears when the batteries are exhausted and must be replaced.
	The display shows this indication when there are alterations in the heart rhythm.
	The bracelet contains air, and it is expelled from it.

BATTERY LOADING

To insert or change the batteries follow the next steps:

- Open battery cover at the back of the machine.
- Load four “AAA” size batteries. Please pay attention to the polarity.
- Close the battery cover.

Notes:

- When replace the batteries the date and the hour will erase.
- The batteries contain polluting materials of environment, for that reason once exhausted the batteries, does not throw them to the sweepings, disposed in adapted for their recycled one.
- If it does not use the apparatus for a long period of time, extracts the batteries and keep in a dry place.
- Does not use 1.2 V rechargeable batteries.

When is necessary to change the batteries?

When in the apparatus sound a locution and the screen shows the symbol  . it indicates that the batteries are exhausted and must be replaced by other new ones.

SETTING THE CLOCK AND ADJUSTING THE DATE

The clock of this device is designed to indicate the hours in 12 or 24 hour format and the date in "month / day" mode. To set the date and time, proceed as follows:

1. With the blood pressure monitor turned off, press and hold the " ⏻ " and **M** buttons for three seconds at a time. The digits of the time format will blink (Fig. 1).
2. Press the **M** button successively and select the time format.
3. Press the " ⏻ " button and the corresponding year digits will blink (Fig. 2),
4. Press the **M** button to select the year.
5. Press the " ⏻ " button and the month digits will blink (Fig. 3).
6. Press the **M** button repeatedly and select the month.
7. Press the " ⏻ " button and the corresponding digits for the day will flash (Fig. 4).
8. Press the **M** button to set the day.
9. Press the " ⏻ " button and the corresponding hour digits will blink (Fig. 5).
10. Press the **M** button to set the hour.
11. Press the " ⏻ " button and the minute digits will blink (Fig. 6)
12. Press the **M** button to set the minutes.
13. Press the " ⏻ " button again to store the data.

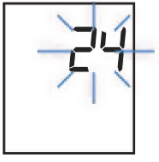


Fig. 1

Fig. 2

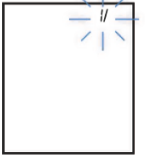


Fig. 3

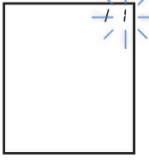


Fig. 4

Fig. 5

Fig. 6

Notes:

- It is very important to keep the date and time updated as these are stored together with the measured values.
- When replacing the batteries, the date and time will be erased, and the display will show the menu for setting the date and time.
- During the setting of the clock and setting the date, if a minute passes without touching any buttons, the tensiometer will turn off and will not store the entered data.

INDICATIONS BY MEANS OF LOCUTION

Before initiating the measurement a locution will inform the basic advice for the correct use of blood measurement. Finalised the measurement a locution will inform the values obtained, systolic pressure, diastolic pressure, the pulse as well as the state according to WHO standard classification. Also will warn by means of a locution if an error takes place during the measurement or when the batteries are low.

Selecting the language and adjusting the locution volume

The blood pressure monitor has six languages for the locution (Spanish, English, Portuguese, Italian, French and German), as well as the possibility to deactivate it. To select the language, deactivate the speech or adjust the volume level follow the steps below:

1. With the blood pressure monitor turned off, press and hold the memory button **M**, a voice as well as the display (Fig. 7) will consecutively display the available languages **L0** (locution deactivated), **L1** (Spanish), **L2** (English), **L3** (Portuguese), **L4** (Italian), L5 (French) and **L6** (German).
2. When the screen shows you the desired language (along with its locution), stop pressing the memory button **M**.
3. The display will show the selected language (**L0** ... **L6**) and the pressure indicator arrows blinking (Fig. 8).
   The volume level is determined by the number of pressure indicating arrows, an arrow is the minimum volume level and six arrows is the maximum volume level.
4. Press and hold the memory button **M**, the pressure indicator arrows will increase by one unit until you reach the maximum (6 arrows), and if you continue to press this button the arrows will return to the minimum level (1 arrow). Each time you increase the volume level you will hear an acoustic warning that will serve as a reference.
5. Once the volume level is selected, stop pressing the **M** memory button.

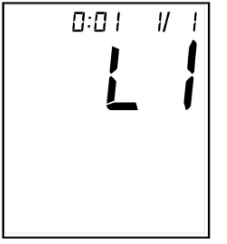


Fig. 7

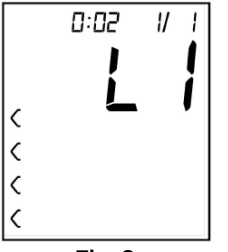


Fig. 8

BASIC TIPS FOR CORRECT USE OF BLOOD PRESSURE MONITOR

- Measure in a quiet environment and in a relaxed position. Performing the measurement in situations of stress, causes changes in blood pressure.
- Do not use the tensiometer when you have an injury to the arm and never share it when you or someone else has an infectious disease
- The measured values may vary (inaccurate reading), depending on the position of the bracelet. This should be placed on the inside of the arm and at the heart.
- Try to always measure blood pressure at the same time of day.
- Avoid moving the arm and do not talk during the measurement, as it may cause errors in reading.
- Place the cuff so that it sticks tightly to the arm but never over tighten (remember that the cuff is inflated during operation).
- Do not place the cuff on clothing (shirt, sweater, blouse, etc.) as the device can not measure through textiles.
- Loosen the cuff immediately after prolonged measurement.
- Do not switch on the appliance if the cuff is not attached to the tensiometer or is not attached to the arm.
- After performing the blood pressure measurement, if you want to perform a new measurement you should wait for 3 to 5 minutes, so that the blood circulation returns to normal. This time varies according to each person.

- Keep in mind that during daily blood pressure measurements, daily values depend on many factors. Thus, consumption of tobacco, alcohol, drugs or body effort, influence the values taken to a large extent. Stay relaxed and in a quiet environment at least 30 minutes before taking measurements.
- The blood pressure values should be interpreted by a physician or A.T.S. Who is familiar with the patient's history. By regularly measuring blood pressure the physician or A.T.S can carry out a more thorough follow-up of the patient.
- In exceptional cases it may happen that an irregular or very weak pulse does not allow to carry out the measurements. If so, talk to your doctor or A.T.S.
- Using this apparatus correctly, the measured blood pressure corresponds to that obtained by the stethoscope auscultation method.
- The blood pressure of the left arm relative to the right arm or viceversa, can vary approximately 40 mmHg so it is recommended to always carry out the measurements in the same arm.
- The cuff size is designed for adult use only.
- Do not use this appliance with people who have arrhythmias.
- Avoid measurements near appliances that generate strong magnetic fields, or electrostatic interference such as mobile phones, microwave ovens, etc.
- If you do not intend to use the appliance for a long period of time, remove the batteries and store them in a cool place.

CONNECTING THE CUFF TO THE MONITOR

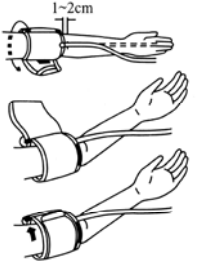
Insert the end of the rubber tube from the cuff into the hole on the left side of the blood pressure monitor. Make sure it is properly attached (to the end).

Note:

During the measurement process, avoid pressing or pinching the rubber connecting tube between the cuff and the blood pressure monitor, as this may cause measurement errors or injuries due to the excess pressure of the cuff.

CUFF SWATHING

1. Place cuff 1-2cm above elbow joint.
   - Place palm upside and let it be parallel with rubber tube
   - Measuring at the same arm each time
   - Measuring on the bare arm, especially for the feeble pulse. If measuring of clothing should be thin and smooth
   - When the cuff is dirty, detach it from the equipment, wash the cuff by hand with proper detergent and resin it in the enough cold water. Dry in air. Never iron it.
2. Turn the cuff end outward and tighten it by pulling through the metal loop. Then press the loop onto the surface of cuff.
3. To make the cuff more firmly, use the free hand to move and press it.
   - Do not place the cuff too loose or too tight; spacing of a finger is appreciated.
   - If the arm is very thin, please raise elbow joint slight when winding cuff.



Sitting Measurement

1. Sit upright.
2. Place arm horizontally on the chair or table with the palm upside.
3. Cuff position should be at the same level as the heart.

HOW TO MEASURE BLOOD PRESSURE?

Measure blood pressure always in a sitting position, place your elbow on a table or similar surface and arm so that the bracelet is at the level of the heart, the hand should be open. Relax the arm and position it so that it can see its inner side.

Very important: The blood pressure monitor has four independent memories (*U1, U2, U3* and *U4*) for four different users. In each memory, up to 30 measurements are automatically stored, and the corresponding memory position must be selected before measuring.

1. Once the cuff has been inserted, press the on / off button "⏻" and the display will show all the characters (Fig. 9).
2. It will then show the number of the last user who used the appliance (Fig. 10).
3. If you want to change the user, press the **M** button successively and select the desired user "*U1, U2, U3* or *U4*". If not, wait a few seconds and the instrument will start the measurement process.
4. The blood pressure monitor will show the last measurement of the selected user (Fig. 11) and a voice will inform you how to carry out the measurement.
5. If the display shows the symbol " ⩔" indicates that the bracelet contains air and it will be ejected, then the bracelet will automatically inflate (Fig. 12).
6. During the inflation of the cuff, the device will automatically select a pressure level depending on the blood pressure of each person.

7. Once the inflation of the bracelet is completed and when the pulse is located the symbol " ♥ " will begin to flash at the pulse rate, the bracelet will begin to deflate at constant speed and the display will show the pressure value decreasing.
8. During the measurement, you can switch off the appliance by pressing the on/off button "⏻".
9. At the end of the measurement, a locution will inform you of the measured values and the display will show the value of systolic pressure (**SYS**), diastolic pressure (**DIA**) in millimeters of mercury (mmHg) and pulses per minute (**PUL / Min**).
   In Figure 13 the systolic pressure was 116 mmHg, the diastolic pressure was 78 mmHg and the pulse rate was 82 beats per minute. The measured values together with the date and time are automatically stored in memory.

Fig. 9

Fig. 10

Fig. 11

Fig. 12

Fig. 13

10. If the display shows the symbol " ♥ " indicates that there is a possible change in the heart rate.

A normal heart of a resting body beats between 60 and 100 palpitations per minute with a paced rhythm. This rhythm can be increased with physical exercise, with emotions, with stress or with some diseases. Other causes that can produce alterations in the heart rhythm can be cholesterol, diabetes, obesity and certain medicines or drugs, like caffeine, tobacco, etc.

11. On the left side of the screen is the pressure indicator according to the classification criteria of the World Health Organization (WHO).
This indicator consists of four marks or colors: **green** (normal tension), **yellow** (prehypertension), **orange** (high tension) and **red** (hypertension). At the end of the measurement next to this indicator will appear an arrow indicating the pressure, a locution will inform you of the state according to the classification criteria of the World Health Organization. This information is generic, serves only as a quick reference.

12. If you wish to perform a new blood pressure measurement, you must switch the device off and on again, but keep in mind the following suggestions:
After performing the measurement, if you want to perform a new measurement in the same person you should wait for 3 to 5 minutes, so that the blood circulation returns to normal. This time varies according to each person.
The blood pressure values depend on a multitude of factors, so that it is not possible to provide a valid diagnosis by virtue of a single measurement. For this reason regularly measuring blood pressure can lead to a more thorough follow-up of the patient.

TURN OFF THE BLOOD PRTESSURE MONITOR

- To turn off the blood pressure monitor, press the on / off button "⏻". However, once the measurement is complete, the device will turn off automatically after 1 minute.
- When checking the memory, if no button is pressed, the blood pressure monitor automatically turns off after 2 minutes.

USE OF MEMORY

This device has four independent memories (U1, U2, U3 and UЧ) for four different users and up to 30 measurements are stored in each memory.

The storage in memory (previously selected) is performed automatically, the last measurement is recorded in position 1 by moving the penultimate measurement to position 2 and so on. When the selected memory capacity (U1, U2, U3 or UЧ) is complete (30 measurements), the first memory position is deleted when a new measurement is made.

To access the memory press the **M** button and the display will show the last selected user number. To change the user press the " ⏻" button and the screen will show the selected user as well as the total number of measurements (fig 14).

The Blood pressure monitor will analyze the last three stored measurements and average them, displaying them on the screen and using the locution (Fig. 15).

If you press the **M** button again, the device will analyze the last three measurements taken before noon (AM) and display the average of the last three stored measurements (Fig. 16).

When the **M** button is pressed again, the device will analyze the last three measurements taken after midday (PM) and display the average of the last three stored measurements (Fig. 17).

Fig. 14

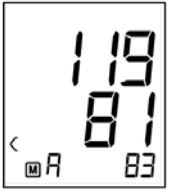


Fig. 15

Fig. 16

Fig. 17

Fig. 18

If you press the **M** button again, the device will display the various memory locations, repeatedly pressing the **M** button, the display will show the stored data.
In any of the above cases, a locution will inform you of the selected memory location as well as the stored values; (Systolic), minimum (diastolic) tension, pulse and state according to the classification criteria of the World Health Organization.

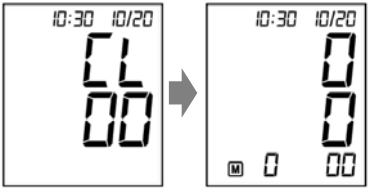
The measurement of figure 18 corresponds to memory position 1 and was performed on October 20 at 10:17, systolic pressure was 116 mmHg, diastolic pressure was 78 mmHg and pulse was 82 beats per minute.

Notes:

- The memories will remain stored even if the batteries are not installed. However, the analysis of the last three measurements will be erased.
- If there are no stored measurements, the display will show the digits " 0 ".
- At any time, you can exit the memory mode by pressing the " ⏻ " button, or leave 2 minutes without pressing any buttons.

CLEAR MEMORY

To erase all the memory locations of the four users (U1, U2, U3 and U4) access the memory and then press and hold the **M** button for 3 seconds.



WHAT IS BLOOD PRESSURE?

Blood is pumped through the heart and distributed through the arteries and veins, this causes fluctuations in pressure in our arteries during each heartbeat.

As the vascular walls of the arteries are elastic dilate each time the heart beats, this effect can be used to measure blood pressure fluctuations. The maximum value of the blood pressure is denominated **systolic pressure** and the minimum value **diastolic pressure**. Both pressure values inform the physician about the patient's blood pressure situation.

BLOOD PRESSURE FLUCTUATIONS

Blood pressure values are constantly fluctuating and these fluctuations are particularly pronounced in patients with hypertension. Normally blood pressure has a maximum value during bodywork and a minimum value at night while sleeping. The following table describes a number of factors that influence measured blood pressure.

WHY IS IT MEASURING THE BLOOD PRESSURE AT HOME?

When blood pressure is measured in a clinic, office or hospital, nervousness and excitement can occur in the patient. This situation causes the blood pressure values to be too high. Among physicians this phenomenon is known as the "white coat effect". The blood pressure values depend on a multitude of factors, so that it is not possible to provide a valid diagnosis by virtue of a single measurement.

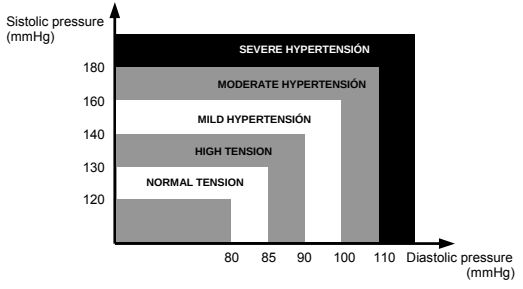
Blood pressure measured in the mornings directly after getting up and before breakfast is the most important, this is also considered as "basic value". In practice it is very difficult to measure this value, but by carrying out the measurement in a usual environment (at home for example) you can get a measurement quite close to the basic value. This is why it is advisable to measure your blood pressure at home.

The table below shows the typical blood pressure according to age and sex.

AGE (years)	MENS		WOMEN	
	SYSTOLIC	DIASTÓLIC	SYSTOLIC	DIASTOLIC
11 - 15	114	72	109	70
16 - 20	115	73	110	70
21 - 25	115	73	110	71
26 - 30	115	75	112	73
31 - 35	117	76	114	74
36 - 40	120	80	116	77
41 - 45	124	81	122	78
46 - 50	128	82	128	79
51 - 55	134	84	134	80
56 - 60	137	84	139	82
61 - 65	148	86	145	83

CLASSIFICATION OF BLOOD PRESSURE ACCORDING TO WHO

The following graph shows the limits for high and low blood pressure regardless of age. These values were set by the World Health Organization (WHO).



Notas:

- The World Health Organization (WHO) does not define the minimum of blood pressure, in the graph the area of minimum diastolic pressure is less than 90 mmHg.
- As blood pressure increases with age, this graph serves as a reference for certain ages.

WHAT IS HYPERTENSION?

Hypertension is a pathological condition characterized by an increase in blood pressure above normal values. The diagnosis of arterial hypertension should not be based on high figures measured once or occasionally. The diagnosis of arterial hypertension should be made after several blood pressure readings, including some at the patient's home or in his / her usual environment outside the medical consultation.

Hypertension is one of the diseases of the present civilization and its pathology is uncertain. To prevent hypertension prevention is best. For example; Decrease the amount of salt in meals, eat more fruits and vegetables, not smoke, etc.

WHAT IS HYPOTENSION?

Hypotension or low blood pressure causes symptoms such as dizziness, lightheadedness, dizziness, blurred vision, muscle weakness, fatigue, and even fainting.

The most common form is the so-called postural hypotension, which occurs when you get up quickly from the bed or a chair. The sudden change of position causes, as a reflex act, a contraction of the blood vessels with the consequent lack of irrigation of the brain.

ABNORMALITY & TROUBLESHOOTING (I)

PROBLEM	POSSIBLE CAUSE	SOLUTION
LCD Display shows abnormal result	The cuff position was not correct or it was not properly tightened	Apply the cuff correctly and try again
	Body posture was not correct during testing	Review the "BODY POSTURE DURING MEASUREMENT" sections of the instructions and re-test.
	Speaking, arm or body movement, angry, excited or nervous during testing	Re-test when calm and without speaking or moving during the test
	Irregular heartbeat (arrhythmia)	It is inappropriate for people with serious arrhythmia to use this Electronic Sphygmomanometer.

ABNORMALITY & TROUBLESHOOTING (II)

PROBLEM	POSSIBLE CAUSE	SOLUTION
LCD Display shows battery symbol	Low Battery	Change the batteries
LCD shows "Er 0"	Pressure system is unstable before measurement	Don't move and try again.
LCD shows "Er 1"	Fail to detect systolic pressure	
LCD shows "Er 2"	Fail to detect diastolic pressure	

ABNORMALITY & TROUBLESHOOTING (III)

PROBLEM	POSSIBLE CAUSE	SOLUTION
LCD shows "Er 3"	Pneumatic system blocked or cuff is too tight during inflation	Apply the cuff correctly and try again
LCD shows "Er 4"	Pneumatic system leakage or cuff is too loose during inflation	
LCD shows "Er 5"	Cuff pressure above 300mmHg	Measure again after five minutes. If the monitor is still abnormal, please contact the local distributor or the factory.
LCD shows "Er 6"	More than 160 seconds with cuff pressure above 15 mmHg	
LCD shows "Er 7"	Inner memory error	
LCD shows "Er 8"	Device parameter checking error	
LCD shows "Er A"	Pressure sensor parameter error	

ABNORMALITY & TROUBLESHOOTING (IV)

PROBLEM	POSSIBLE CAUSE	SOLUTION
No response when you press button or load battery.	Incorrect operation or strong electromagnetic interference.	Take out batteries for five minutes, and then reinstall all batteries.

CLEANING AND MAINTENANCE

- Clean the plastic surface of the unit with a humid cloth and dries it with another dry one. It does not use abrasive products like gasoline, dissolvent, etc.
- Do not mix used and new batteries, or different types.
- When not in use, place it in its protective case and prevent it from coming in direct contact with water, expose it to direct sunlight, be in places with high temperatures, excessive dust, humidity or near equipment that generates heat.
- It is recommended the cuff should be disinfected 2 times every week if needed (for example, in hospital/clinique). Wipe the inner side (the side contact skin) of the cuff by a soft cloth squeezed moistened with Ethyl alcohol (75-90%), then dry the cuff by airing.
- It is recommended the performance should be checked every 2 years or after repair. Please contact the service center.
- The monitor can mantain the safety and performance characteristics for a minimum of 10,000 measurements or three years.
- The cuff integrity is maintained after 1,000 open-close cycles of the closure.
- Avoid high temperature and solarization.

This product complies with European Directives RoHS (2011/65/UE), on the restriction of use of certain dangerous substances in electrical and electronic appliances.

SPECIFICATION

Measuring method	Oscillometric
Measuring range	0 – 300 mmHg (pressure) 40 – 180 pulses/min (pulse)
Measuring accuracy	± 3 mmHg (pressure) ± 5% (pulse)
Power source batteries	4 x 1.5 V ⎓ type AAA, etc.
Battery life	Approx. 100 times
Pressurisation	Automatic air pump
Deflation	Automatic
Operating environment	+10 °C to +40 °C, ≤ 85 % RH
Storage environment	-20 °C to +50 °C, ≤ 85 % RH
Cuff size	22 – 30 cm
Unit size and weight	150 x 95 x 41 mm (L, W, H) / 235 gr.

Waste electrical products must not be disposed of with household waste.
This equipment should be taken to your local recycling centre for safe treatment.
Before discarding the product, remove the batteries from the product

EXPLANATION OF SYMBOLS ON UNIT

Symbol for" THE OPERATION GUIDE MUST BE READ"(The sign background colour: blue.The sign graphical symbol: white)

Symbol for "WARNING"

Symbol for "TYPE BF APPLIED PARTS" (The cuff is type BF applied part)

Symbol for "KEEP DRY"

ELECTROMAGNETIC COMPATIBILITY INFORMATION

Table 1: For all ME EQUIPMENT and ME SYSTEMS

Guidance and manufacture's declaration - electromagnetic emissions		
The MX-CP2395 is intended for use in the electromagnetic environment specified below. The customer or the user of the MX-CP2395 should assure that it is used in such an environment.		
Emissions test	**Compliance**	**Electromagnetic environment - guidance**
RF emissions CISPR 11	Group 1	The MX-CP2395 uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class B	The MX-CP2395 is suitable for use in all establishments other than domestic 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 emissions IEC 61000-3-3	Not applicable	

Table 2: For all ME EQUIPMENT and ME SYSTEMS

Guidance and manufacturer's declaration - electromagnetic immunity			
The MX-CP2395 is intended for use in the electromagnetic environment specified below. The customer or the user of the MX-CP2395 should assure that it is used in such an environment.			
IMMUNITY test	**IEC 60601test 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 %.
Power frequency (50/60 Hz) magnetic Field IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.

Table 3: For ME EQUIPMENT and ME SYSTEMS that are not LIFE-SUPPORTING

Guidance and manufacturer's declaration - electromagnetic immunity			
The MX-CP2395 is intended for use in the electromagnetic environment specified below. The customer or the user of the MX-CP2395 should assure that it is used in such an environment.			
IMMUNITY test	**IEC 60601test level**	**Compliance level**	**Electromagnetic environment - guidance**
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2.5 GHz	3 V/m	Portable and mobile RF communications equipment should be used no closer to any part of the MX-CP2395, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. **Recommended separation distance =** $d = 1.2\sqrt{P}$ 80 MHz to 800 MHz $d = 2.3\sqrt{P}$ 800 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: 

NOTE 1: At 80 MHz and 800 MHz, the higher frequency range applies.
NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

a) Field 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 MX-CP2395 is used exceeds the applicable RF compliance level above, the MX-CP2395 should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the MX-CP2395.

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

Table 4: For ME EQUIPMENT and ME SYSTEMS that are not LIFE-SUPPORTING

Recommended separation distances between portable and mobile RF communications equipment and the MX-CP2395

The MX-CP2395 is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the MX-CP2395 can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the MX-CP2395 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 $d = 1.2\sqrt{P}$	**80 MHz to 800 MHz** $d = 1.2\sqrt{P}$	**800 MHz to 2,5 GHz** $d = 2.3\sqrt{P}$
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.

NOTE 1: At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

This product complies with the dispositions of the Directive of the Council on sanitary products 93/42/EEC, of the European Parliament, and has been proven and tried in agreement the norms **EN 1060-3**, **EN1060-1**.

Mark **CE 0197** indicates that this product complies the European Directives. All components to the pressure measuring system, including accessories: Pump, Valve, LCD, Cuff, Sensor.

Made by:
Andon Health Co., Ltd.
No.3 Jinping Street, Ya An Road,
Nankai District, Tianjin,
300190, China

Authorized representative in the EU:
Lotus Global Co., Ltd.
1 Four Seasons Terrace West
Drayton, Middlesex London, UB7 9GG
United Kingdom

Imported by:
MX ONDA, S.A.
Isla de Java, 37 28034 – MADRID (SPAIN)

e-mail: info@mxonda.es
www.mxonda.es

Telephone of information and Technical Service: **902 551 501**