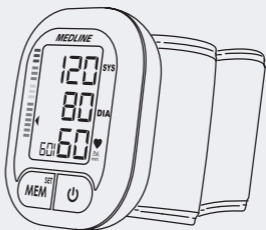


Automatic

Wrist Blood Pressure Monitor



User Guide



REF MDS4003

- Thank you for selecting the Medline Wrist Blood Pressure Monitor MDS4003.
- Please read the user-manual and quick-start-guide thoroughly before operating the unit. Do not discard or misplace the manual to ensure proper usage.

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General Description

Thank you for selecting the Medline Wrist Blood Pressure Monitor (MDS4003).

The monitor features blood pressure measurement, pulse rate measurement and the result storage. The Medline wrist blood pressure monitor, MDS4003, is under warranty for 2 years from the date of purchase. This warranty includes the instrument/cuff. The warranty does not apply to damage caused by improper handling, accidents, not following the operating instructions or alterations made to the instrument. The warranty is only valid upon presentation of proof of purchase.

Readings taken by the MDS4003 are equivalent to those obtained by a trained observer using the cuff and stethoscope auscultation method.

This manual contains important safety and care information and provides step by step instructions for using the product.

Read the manual thoroughly before using the product.

Features:

- Systolic blood pressure
- Diastolic blood pressure
- Pulse rate
- 60 records for one user

Indications for Use

The Medline Blood Pressure Monitor is a digital wrist blood pressure monitor intended for use in measuring blood pressure and heartbeat rate with wrist circumference ranging from 13.5cm to 21.5 cm (about 5½"-8½").

It is intended for adult in-home use only.

Measurement Principle

This product uses the Oscillometric Measuring Method to detect blood pressure. Before every measurement, the unit establishes a "zero point" equivalent to the atmospheric pressure prior to inflating the cuff. Meanwhile, the unit detects pressure oscillation generated by beat-to-beat pulsatile, which is used to determine the systolic pressure and diastolic pressure as well as pulse rate.

The device compares the longest and shortest intervals of detected pulse wave to the average value and then calculates the standard deviation.

The monitor will provide a warning symbol when the calculated standard deviation is greater than or equal to 25%.

Safety Information

The symbols below are found throughout the user manual and product labeling.



Symbol for "REFER TO INSTRUCTION MANUAL"



Symbol for "SERIAL NUMBER"



Symbol for "DIRECT CURRENT"



Symbol for "MANUFACTURE DATE"



Symbol for "TYPE BF APPLIED PART"



Symbol for "ENVIRONMENT PROTECTION":

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.



Symbol for "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.

CAUTION

- * This device is intended for adult, in-home use only.
- * The device is not suitable for use on neonatal patients, pregnant women, patients with implanted electrical devices, patients with pre-eclampsia, premature ventricular beats, atrial fibrillation, peripheral, arterial disease and patients undergoing intravascular therapy or arterio-venous shunt or people who received a mastectomy. Please consult your doctor prior to using the unit if you suffer from illnesses.
- * The device is not suitable for measuring the blood pressure of children. Ask your doctor before using it on older children.
- * This device is intended for noninvasive measuring and monitoring of arterial blood pressure. It is not intended for use on extremities other than the wrist or for functions other than obtaining a blood pressure measurement.
- * Do not confuse self-monitoring with self-diagnosis. This unit allows you to monitor your blood pressure. Do not begin or end medical treatment without asking a physician for treatment advice.
- * If you are taking medication, consult your physician to determine the most appropriate time to measure your blood pressure. Never change a prescribed medication without consulting your physician.
- * Do not take any therapeutic measures on the basis of a self measurement. Never alter the dose of a medicine prescribed by a doctor. Consult your doctor if you have any questions about your blood pressure.
- * When the device is used to measure patients who have common arrhythmias such as atrial or ventricular premature beats or atrial fibrillation, the best result may occur with deviation. Please consult your physician about the result.
- * When using this device, please pay attention to the following situation which may interrupt blood flow and influence blood circulation of the patient, thus cause harmful injury to the patient: connection tubing kinking too frequent and consecutive multiple measurements; the application of the cuff and its pressurization on any wrist where intravascular access or therapy, or an arterio-venous (A-V) shunt is present; inflating the cuff on the side of a mastectomy.
- * Warning: Do not apply the cuff over a wound as it can cause further injury.
- * Do not inflate the cuff on the same limb which other monitoring ME equipment is applied around simultaneously because this could cause temporary loss of function of those simultaneously-used monitoring ME equipment.
- * On the rare occasion of a defect causing the cuff to remain fully inflated during measurement, open the cuff immediately. Prolonged high pressure (cuff pressure > 300mmHg or constant pressure > 15mmHg for more than 3 minutes) applied to the wrist may lead to an ecchymosis.
- * Please check that operation of the device does not result in prolonged impairment of patient blood circulation.

- * When in use, please avoid compression or restriction of the connection tubing.
- * The device cannot be used with HF surgical equipment at the same time.
- * The accompanying document shall disclose that the sphygmomanometer was clinically investigated according to the requirements of ISO 81060-2:2018.
- * To verify the calibration of the automated sphygmomanometer, please contact the manufacturer.
- * This device is contraindicated for any female who may be suspected of, or is pregnant. Besides providing inaccurate readings, the effects of this device on the fetus are unknown.
- * Too frequent and consecutive measurements could cause disturbances in blood circulation and injuries.
- * This unit is not suitable for continuous monitoring during medical emergencies or operations; the user's wrist and fingers may become anaesthetic, swollen and even purple due to a lack of blood.
- * When not in use, store the device in a dry room and protect it against extreme moisture, heat, lint, dust and direct sunlight. Never place any heavy objects on the unit.
- * This device may be used only for the purpose described in this booklet. The manufacturer cannot be held liable for damage caused by incorrect application.
- * This device comprises sensitive components and must be treated with caution. Observe the storage and operating conditions described in this booklet.
- * The maximum temperature that the applied part can be achieved is 42.5°C while the environmental temperature is 40°C.
- * The equipment is not AP/APG equipment and not suitable for use in the presence of a flammable anesthetic mixture with air or with oxygen or nitrous oxide.
- * Warning: Do not attempt to service the device while it is in use.
- * The user is an intended operator.
- * The user can measure data and change battery under normal circumstances and maintain the device and its accessories according to the user manual.
- * To avoid measurement errors, please avoid the condition of strong electromagnetic field radiated interference signal or electrical fast transient/burst signal.
- * The blood pressure monitor and the cuff are suitable for home use only. If you are allergic to polyester, nylon or plastic, please don't use this device.
- * During use, the user will be in contact with the cuff. The materials of the cuff have been tested and found to comply with requirements of ISO 10993-5:2009 and ISO 10993-10:2010. It will not cause any potential sensitization or irritation reaction.
- * If you experience discomfort during a measurement, such as pain in the wrist or other complaints, press the START/STOP button to release the air immediately from the cuff. Loosen the cuff and remove it from your wrist.

- * If the cuff pressure reaches 300 mmHg, the unit will automatically deflate. Should the cuff not deflate when pressures reaches 300 mmHg, detach the cuff from the wrist and press the START/STOP button to stop inflation.
- * Before use, make sure the device functions safely and is in proper working condition. Check the device, do not use the device if it is damaged in any way. The continuous use of a damaged unit may cause injury, improper results, or serious danger.
- * Do not wash the cuff in a washing machine or dishwasher.
- * The service life of the cuff may vary by the frequency of washing, skin condition, and storage state. The typical service life is 10,000 inflation cycles.
- * It is recommended that the performance should be checked every 2 years and after maintenance or repair.
- * Please dispose of accessories, detachable parts, and the ME equipment according to the local guidelines.
- * The operator shall not touch output of batteries and the user simultaneously.
- * Cleaning: Dust environment may affect the performance of the unit. Please use a soft cloth to clean the whole unit before and after use. Don't use any abrasive or volatile cleaners.
- * If you have any problems with this device, such as setting up, maintaining or using, please contact Medline at 1-800-MEDLINE. Do not attempt to open or repair the device in the event of malfunctions. The device must only be serviced, repaired, and opened by the manufacturer.
- * Please report to Medline if any unexpected operation or events occur.
- * Keep the unit out of reach of infants, young children or pets to avoid inhalation or swallowing of small parts. It is dangerous or even fatal.
- * At least 30 min required for ME equipment to warm from the minimum storage temperature between uses until it is ready for intended use. At least 30 min required for ME equipment to cool from the maximum storage temperature between uses until it is ready for intended use.
- * This equipment needs to be installed and put into service in accordance with the information provided in the accompanying documents.
- * Wireless communications equipment such as wireless home network devices, mobile phones, cordless telephones and their base stations, walkie-talkies can affect this equipment and should be kept at least a distance d away from the equipment. The distance d is calculated by the manufacturer from the 800 MHz to 2.5 GHz column of Table 6 of IEC 60601-1-2:2014, as appropriate.
- * Please use accessories and detachable parts authorized by the manufacturer. Do not attempt to use other manufacturer's equipment with this device.
- * Please use the device under the environment which was provided in the user manual. The performance and lifetime of the device will be impacted and reduced.

LCD Display Signal



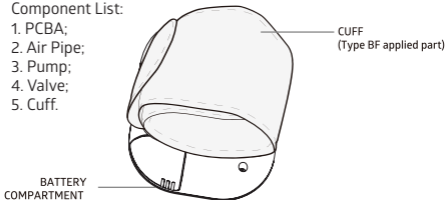
SYMBOL	DESCRIPTION	EXPLANATION
SYS	Systolic blood pressure	High blood pressure
DIA	Diastolic blood pressure	Low blood pressure
	Pulse display	Pulse in beats per minute
	Motion indicator	Motion may result in an inaccurate measurement.
	Low battery	Batteries are low and need to be replaced
mmHg	mmHg	Unit of measurement for blood pressure (US)
	Irregular heartbeat	Blood pressure monitor is detecting an irregular heartbeat during measurement.
	Current time	Month/Day/Year, Hour: Minute
	Blood pressure level indicator	Indicates the blood pressure level
	Heartbeat	Blood pressure monitor is detecting a heartbeat during measurement.

Monitor Components



Component List:

1. PCBA;
2. Air Pipe;
3. Pump;
4. Valve;
5. Cuff.



Package Components


- 1) Wrist Blood Pressure Monitor (MDS4003)
- 2) 2×AAA batteries
- 3) User manual
- 4) Quick Start Guide

Installing and Replacing the Batteries

- Slide off the battery cover.
- Install the batteries by matching the correct polarity, as shown below. Always use the correct battery type (2 x AAA batteries).
- Replace the battery cover.



Replace the batteries whenever the below happen

- The  +Lo shows
- The display is dim.
- The display does not light up

CAUTION

Do not use new and used batteries together.

Do not use different types of batteries together.

Do not dispose the batteries in fire. Batteries may explode or leak.

Remove batteries if the device is not likely to be used for some time.

Worn batteries are harmful to the environment. Do not dispose with household garbage.

Remove the old batteries from the device following your local recycling guidelines.

Setting Date and Time

It is important to set the clock before using your blood pressure monitor, so that a time stamp can be assigned to each record that is stored in the memory. (year: 2023 - 2063, Time format: 24H/12H)

1. When the batteries are first installed, the device will automatically prompt you to set the [YEAR] first.
If the batteries have already been installed, when the monitor is off, press and hold the "MEM&SET" button for about 3 seconds to enter into setting mode. The blinking numeral represents [YEAR].



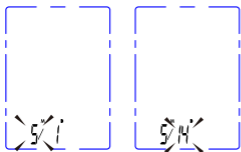
2. Press the "MEM" button to change the [YEAR]. Each press will increase the numeral by one in a cycling manner.



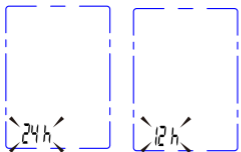
3. When you get the right year, press "START/STOP" button to confirm your selection and it will turn to the next step.



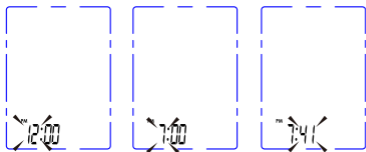
4. Repeat steps 2 and 3 to confirm [MONTH] and [DAY].



5. The monitor will then change to the time format setting.
Repeat steps 2 and 3 to confirm the time format between 24 hours or 12 hours.



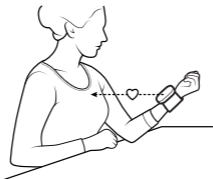
6. Repeat steps 2 and 3 to confirm [HOUR] and [MINUTE].



7. After confirming all of the above, the LCD will display all the settings you have done once again and then turn off.

Applying the Cuff

1. Remove all accessories (watch, bracelet, etc) from your wrist. If your physician has diagnosed you with poor circulation in the left wrist, use the right wrist.
 2. Roll or push up your sleeve to expose the skin.
 3. Apply the cuff to your wrist with your palm facing up. The monitor should be positioned facing the same way as the palm.
 4. Position the edge of the cuff about 1cm-1.5cm from wrist joints.
 5. Fasten the wrist cuff around your wrist, leaving no extra room between the cuff and your skin. If the cuff is too loose, the measurement will not be accurate.
 6. Sit comfortably with your wrist resting on a flat surface. Place your elbow on a table so that the cuff is at the same level as your heart. Turn your palm upwards. Sit upright in a chair, and take 5-6 deep breaths.
 7. The middle of the cuff should be at the level of the right atrium of the heart; Before starting measurement, please sit comfortably with legs uncrossed, feet flat on the floor, back and wrist supported.
- Rest for 5 minutes before measuring.
 - Wait at least 3 minutes between measurements. This allows your blood circulation to recover.
 - The user must relax as much as possible and do not move and talk during the measurement procedure.
 - Do not cross your legs and keep your feet on the ground.
 - Keep your back against the backrest of the chair.
 - For a meaningful comparison, try to measure under similar conditions. For example, take daily measurements at approximately the same time, on the same wrist, or as directed by a physician.



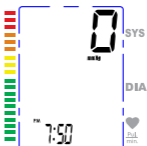
Taking a Measurement

1. When the monitor is off, press "START/STOP" button to turn on the monitor, and it will finish the whole measurement.

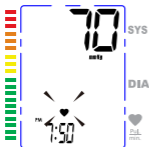
LCD display



Adjusting to zero.



Inflating and measuring.



Display and saved result.



2. Press "START/STOP" button to power off, otherwise it will turn off within 1 minute.

Memory Recall

1. When the monitor is off, press 'MEM' button, if there are three or more than three measurement records, it will first show the average value of the latest three measurement records. If less than three measurement records, then it will show the latest measurement record.

2. Press "MEM" button again, it will display the latest measurement result, date and time. Press "MEM" button again, it will display the next record, and so on. During the process of displaying the results, if there is no operation, the blood pressure monitor will turn off in one minute. Or you can press "START/STOP" button to turn it off.

The record number will display once, date and time will display alternately.



1/5

Indicates the total number of records. The current record is No. 1 out of 5.

5/14

The corresponding date is May 14th .

8:16

The corresponding time is 8:16 PM.

CAUTION

The most recent record (1) is shown first. Each new measurement is assigned to the first (1) record. All other records are pushed back one digit (e.g., 2 becomes 3, and so on), and the last record (60) is dropped from the list.

Deleting Results

If you did not get the correct measurement, you can delete all results by following steps below.

1. In the memory mode, press "MEM" button for 3 seconds, the flash display "dEL All" will show.

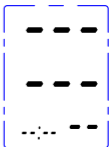


2. Press "MEM" to confirm deleting. The LCD will display "dEL dONE" and the monitor will turn off."

Note: To exit out of delete mode without deleting any records, press **START/STOP** button before pressing "MEM" to confirm any delete commands.



3. If there is no record, the right display will show.



Tips for Measurement

Measurements may be inaccurate if taken in the following circumstances.



Within 1 hour
after dinner or drinking



Immediate measurement
after tea, coffee, smoking



Within 20 minutes
after bathing



When talking or
moving your fingers



In a very cold environment



When you have to
use the restroom

Maintenance

In order to get the best performance, please follow the instructions below.



Put in a dry place and avoid direct sunlight



Avoid water, clean with a dry or damp cloth



Avoid intense shaking or dropping the unit



Avoid dusty and unstable temperature environment



Use a dry or damp cloth to remove dirt

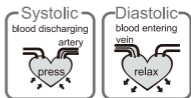


Avoid getting the cuff or device wet

What are systolic pressure and diastolic pressure?

In order to get the best performance, please follow the instructions below.

When ventricles contract and pump blood out of the heart, blood pressure reaches its maximum value, the highest pressure in the cycle is known as systolic pressure. When the heart relaxes between heartbeats, the lowest blood pressure is diastolic pressure.

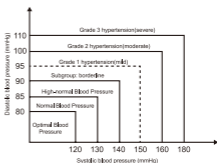


What is the standard blood pressure classification?

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

⚠️ CAUTION:

Consult a physician for your normal blood pressure 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.



Blood Pressure (mmHg) \ 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 Heartbeat Detector

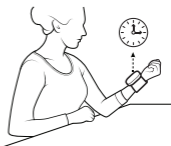
An irregular heartbeat (IHB) is detected when a heartbeat rhythm varies while the unit is measuring the systolic and diastolic blood pressure. During each measurement, the monitor records the heartbeat intervals and calculates the average. If any average is larger than or equal to 25%, the irregular heartbeat symbol appears on the display when the measurement results appear.

⚠️ CAUTION:

The appearance of the IHB icon indicates that a pulse irregularity consistent with an irregular heartbeat 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 device does not replace a cardiac examination, but serves to detect pulse irregularities at an early stage.

Why does my blood pressure fluctuate throughout the day?

1. Individual blood pressure varies multiple times everyday. It is also affected by the way you apply the cuff and your measurement position, so please take the measurement under the same conditions.
2. If the person takes medicine, the pressure will vary more.
3. Wait at least 3 minutes for another measurement.



Why do I get a different blood pressure at home compared to the hospital?

The blood pressure is different even throughout the day due to weather, emotion, exercise, etc. Also, there is the “white coat” effect, which means blood pressure usually increases in clinical settings.

Is the result the same if measuring on the right wrist?

The device is approved to be used on both wrists, but the results will vary. For the most consistent readings, measure the same wrist every time.



What you need to pay attention to when you measure your blood pressure at home:

If the cuff is applied properly.

If the cuff is too tight or too loose.

If the cuff is applied on the wrist.


If you feel anxious.

Taking 2-3 deep breaths before beginning will be better for measuring.

Advice: Relax yourself for 4-5 minutes until you calm down.

Trouble shooting

This section includes a list of error messages and frequently asked questions for problems you may encounter with your wrist blood pressure monitor. If the products not operating as you think it should, check here before arranging for service.

PROBLEM	SYMPTOM	CHECK THIS	SOLUTION
No power	Display is dim or will not light up.	Batteries are exhausted.	Replace with new batteries
		Batteries are inserted incorrectly.	Insert the batteries correctly
Low batteries	Show on the display  +Lo	Batteries are low.	Replace with new batteries
Error message	E 1 shows	The inflation is too low.	Refasten the cuff and then measure again.
	E 2 shows	The cuff is not secure.	Refasten the cuff and then measure again.
	E 3 shows	Can't inflate the air during the process of measurement.	Refasten the cuff and then measure again.
	E 4 shows	The cuff is too tight.	Refasten the cuff and then measure again.
	E 5 shows	Excess pressure in cuff.	Relax for a moment and then measure again.
	E 6 shows	The voltage of the batteries is too low during the inflation	Measure again. If E6 appears again, please replace with new batteries.
	E 10 or E 11 shows	The monitor detected motion while measuring.	Movement can affect the measurement. Relax for a moment and then measure again.
	E 20 shows	The measurement process does not detect the pulse signal.	Loosen the clothing on the wrist and then measure again.
	E 21 shows	Measure incorrectly.	Relax for a moment and then measure again.
	EExx, shows on the display.	A calibration error occurred.	Retake the measurement. If the problem persists, contact customer service department for further assistance. Refer to the warranty for contact information and return instructions.
Warning message	"out" shows	Out of measurement range	The measurement result is out of the measurement range (SYS: 60mmHg to 230mmHg; or DIA: 40mmHg to 130mmHg; or Pulse: 40-199 pulse/minute))

Specifications

Power supply	Battery powered mode: 2*AAA batteries (3V DC)
Display mode	Digital LCD V.A.32mm×45mm
Measurement mode	Oscillographic testing mode
Measurement range	Rated cuff pressure: 0mmHg-299mmHg Measurement pressure: SYS: 60mmHg-230mmHg DIA: 40mmHg-130mmHg Pulse value: (40-199) beat/minute
Accuracy	Pressure: 5°C-40°C within±3mmHg pulse value: ±5%
Normal working condition	A temperature range of: +5°C to +40°C A relative humidity range of: 15% to 90%, non-condensing, but not requiring 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 50hPa
Wrist Circumference	About 13.5cm-21.5cm
Net Weight	Approx.104g (Excluding the dry cells)
External dimensions	Approx.85mmx67mmx23mm (Exclude the cuff)
Attachment	2*AAA batteries,user manual
Mode of operation	Continuous operation
Degree of protection	Type BF applied part
Protection against ingress of water	IP22: The first number 2: Protected against solid foreign objects of 12,5mm Φ and greater. The second number: Protected against vertically falling water drops when enclosure titled up to 15°. Vertically falling drops shall have no harmful effects when the enclosure is titled at any angle up to 15° on either side of the vertical.
Software version	A01
Device classification	Internally Powered ME Equipment

WARNING: Do not attempt to modify the device in any way.

Contact Information

For more information about our products, please visit www.medline.com or call customer service at 1-800-MEDLINE.

Manufactured for: Medline Industries, LP,
Three Lakes Drive,
Northfield, IL 60093 USA

FCC Statement

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.

EMC Guidance

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

Warning: Don't near 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 service life.
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, ±4kV, ±8 kV, ±15 kV air	±8 kV contact ±2 kV, ±4kV, ±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 50Hz/60Hz	30 A/m 50Hz/60Hz
Conducted 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 _i 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 communications equipment)	Test Frequency (MHz)	Band (MHz)	Service	Modulation	Modulation (W)	Distance (m)	IMMUNITY TEST LEVEL (V/m)
	385	380-390	TETRA 400	Pulse modulation b) 18Hz	1.8	0.3	27
	450	430-470	GMRS 460, FRS 460	FM c) \pm 5kHz deviation 1kHz sine	2	0.3	28
	710	704-787	LTE Band 13,17	Pulse modulation b) 217Hz	0.2	0.3	9
	745						
	780						
	810	800-960	GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE Band 5	Pulse modulation b) 18Hz	2	0.3	28
	870						
	930						
	1720	1700-1990	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4,25; UMTS	Pulse modulation b) 217Hz	2	0.3	28
	1845						
	1970						
	2450	2400-2570	Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7	Pulse modulation 217 Hz	2	0.3	28
	5240	5100-5800	WLAN 802.11 a/n	Pulse modulation 217 Hz	0.2	0.3	9
	5500						
	5785						



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