

• **OVERVIEW** •

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

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

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

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

Dr Trust
A-One Galaxy with MDI Blood Pressure Monitor -106

• **QUICK START GUIDE** •

Step 1

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

Step 2

Before starting the measurement, make settings for user no., time, and date etc

Step 3

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

Step 4

Simply push the ON/OFF button and cuff begins to inflate with controlling deflation speed automatically.

Step 5

The device is intended for giving very fast result with Cuff Inflation, look at the screen to get your blood pressure reading.

Step 6

Hypertension Classification Indicator displays coloured results according to the range between which blood pressure values lie.

Step 7

Users can make settings for talking (HINDI/ENGLISH), memory and other features to make blood pressure monitoring convenient.



1. INTRODUCTION

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ABOUT US



• 1. INTRODUCTION •

Dr Trust A-One Galaxy Blood Pressure Monitor with MDI -106 is a fully automatic, digital blood-pressure measuring device for use on the arm. It uses oscillometric method to enable quick and reliable measurement of the systolic and diastolic blood-pressure as well as the pulse frequency. This device ensures user-friendliness to the maximum extent and suitable for self-use at home. Please read this instruction manual carefully before using the device and consult your doctor for any queries and advice regarding Blood pressure.

1.1. Features

- The Dr Trust Galaxy MDI comes with the Measurement During Inflation (MDI) technology to make BP monitoring a less painful process with less pressure on arm.
- Quickly displays results on the monitor.
- It can be powered through Micro USB or 4 AA batteries.
- The Pulse Arrhythmia indicator warns you if certain pulse irregularities are noticed during the measurement.
- Evaluates BP according to the WHO guidelines Zebra lights display.
- Works with the universal conical cuff for arm circumference of 22-42 cm the device provides accurate results.
- Keeps data of 120 usages each of two users in memory.
- Displays error codes if any error occurs during the measurement.

ATTENTION

1.2. Important Information Regarding Self-Measurement

- Substitution of a different component might result in measurement error.
- Cuff is replaceable only by an original.
- Do not use the device with pregnant or pre-eclamptic patients. Avoid using it on neonatal patients. It can be harmful to the patients.

- Too frequent measurements can cause injury to the patient due to blood flow interference.
- Tying the cuff over a wound can cause further injury. Refrain from doing that.
- Using the cuff and applying pressure on any limb where any arterioveinous stunt or intravascular access is present, would result in harm to the patient because of interference in blood flow.
- Do not let the cuff pressure you on the side of the arm on which mastectomy is done.
- Ensure that the use of the automated BP Monitor does not result in prolonged impairment of the patient's blood circulation.
- Not intended to be used together with HF surgical equipment.
- The devices that we use for preventive measures should not be taken as a replacement for doctor's prescriptions.
- Serious blood pressure ailments should be discussed with the doctors immediately.
- The pulse display is not suitable for checking the frequency of heart pacemakers!
- In cases of cardiac irregularity (Arrhythmia), measurements made with this instrument should only be evaluated after consultation with the doctor.
- The device contains sensitive electronic components (Microcomputer). Therefore, avoid strong electrical or electromagnetic fields in the direct vicinity of the device (e.g. mobile telephones, microwave cookers). These can lead to temporary impairment of the measuring accuracy.



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

2.1. How Does High/Low Blood-Pressure Arise?

The level of blood-pressure is determined in a part of the brain, the circulatory centre as it is called. Then it is received by the respective center by way of feedback via the nervous system. To adjust the blood-pressure, the strength and the frequency of the heart (Pulse) as well as the width of circulatory blood vessels is altered. The width of circulatory blood vessels is affected by way the fine muscles are aligned in the blood-vessel walls. The level of arterial blood-pressure changes periodically during the heart activity: During the blood ejection (Systole) the value is maximal (systolic blood-pressure value), at the end of the heart's rest period (Diastole) the value is minimal (diastolic blood-pressure value). The blood-pressure values must lie within certain normal ranges in order to prevent sever diseases.

2.2. Which Values Are Normal?

If you are undergoing medical treatment to control your blood pressure, please keep a record of the level of your blood pressure by carrying out regular self-measurements at specific times of the day. Never alter the doses of your medicines on your own on the basis of self measurement of blood pressure. Show these values to your doctor for appropriate treatment.

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

Range & broadcasting	Systolic Blood-pressure	Diastolic Blood-pressure	Measures
Hypotension	lower than 100	lower than 60	Consult your doctor
optimal	between 100 and 120	between 60 and 80	Self-check
normal	between 120 and 130	between 80 and 85	Self-check

high to normal	between 30 and 140	between 85 and 90	Consult your doctor
slight hypertension	between 140 and 160	Between 90 and 100	Seek medical advice
medium hypertension	between 160 and 180	Between 100 and 110	Seek medical advice
strong hypertension	Higher than 180	Higher than 110	Urgently seek medical advice!

Further Information

If your values are mostly standard under resting conditions but exceptionally high under conditions of physical or psychological stress, it is possible that you are suffering from labile hypertension. Please consult your doctor if you suspect that this might be the case. While correctly measured diastolic blood-pressure values above 120mmHg require immediate medical treatment.

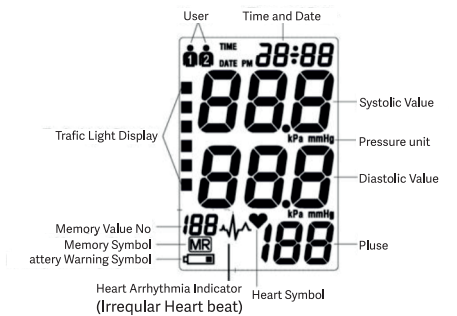
3. VARIOUS COMPONENTS OF THE BLOOD-PRESSURE MONITOR



Time Button




Memory Button

ON/OFF Button



• 4. PUTTING THE BLOOD-PRESSURE MONITOR INTO OPERATION •

4.1 Inserting The Batteries

- Insert the batteries (4x size AA 1.5V), thereby observing the indicated polarity.
- If the battery  icon appears in the display, it symbolizes low battery of around 20% to warn the user the batteries will run out soon.
- If the battery  icon appears in the display, it symbolizes the batteries are empty and must be replaced by new ones.
- **Attention!**
After the battery  icon appears, the device stops operating until the batteries have been replaced.
 - Please use «AA» alkaline 1.5V batteries.
 - If the blood-pressure monitor is left unused for long periods, please remove the batteries from the device.

4.2 Reading The Set Date

Please press TIME button and the date will be shown in the display.

4.3 User Selection And Setting The Time/Date

User selection: This advanced blood pressure monitor allows you to track blood pressure readings for 2 individuals independently.

- a) Before measurement, make sure you set the unit for the intended user. The unit can track results for 2 individuals.
- b) Press the TIME button for at least 3 seconds. The display now indicates the set user, during which the light blinks. To confirm, press ON/OFF button.
- c) Click the MEMORY button to select User.

Setting the Time, & Date:

This blood-pressure monitor incorporates an integrated clock with date display. This holds the advantage at each measurement procedure. Along with storing the values of measurement, it also holds the exact time of measurement.. After new batteries have been inserted, the clock begins to run TIME 12:00 and DATE 1-01. You must then re-enter the date and current time. For this, please proceed as follows.

1. Press the TIME button for at least 3 seconds, user icon will blink. Then press TIME button again. The display now indicates the set year.
2. The correct year can be entered by pressing the MEMORY button.
3. Press the TIME button again. The display now switches to the current date, during which the first character (month) blinks.
4. The corresponding month can now be entered by pressing the MEMORY button.
5. Press the TIME button again. The last two characters (day) starts blinking.
6. The corresponding day can now be entered by pressing the MEMORY button.
7. Press the TIME button again. The display now switches to the current time, during which the first character (Hour) blinks.
8. The corresponding hour can now be entered by pressing the MEMORY button.
9. Press the TIME button again. The last two characters (Minutes) now blink.
10. The exact time can now be entered by pressing the MEMORY button.
11. Press TIME button (or TIME / DATE or TIME): the unit of measurement will flash.
12. Press the "MEMORY to set the unit of measurement (mmHg or kPa)
13. Once you have saved your settings, press the TIME button (or TIME / DATE or TIME). The setting is confirmed and the clock starts running.

Further Information

With each press of the button (TIME, MEMORY) one input is made (e.g. switching over from hours to minutes mode, or altering the value by +1). However, if you keep the respective button pressed, you can switch more quickly to find the desired value respectively.



• 5. CARRYING OUT A MEASUREMENT •

5.1. Before The Measurement

- Avoid eating or smoking directly before the measurement. Refrain from exerting yourself before you take the measurement. If you can, take out time to relax by sitting in an armchair in a quite atmosphere for about ten minutes before the measurement.
- Measure always on the same arm (preferably left).
- Attempt to carry out the measurements regularly at the same time of day, since the blood-pressure changes during the course of the day.

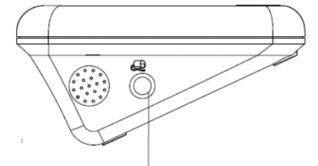
5.2. Common Sources of Error

Note: Comparable blood-pressure measurements require the same conditions! Make sure you replicate the environment every time you take a measurement.

- Any efforts by the patient to support the arm can increase the blood-pressure. Make sure you are in a comfortable, relaxed position. Avoid flexing any of the muscles of the arm during the measurement. Use a cushion for support if necessary.
- The performance of the automated BP monitor can be affected by extremes of temperature, humidity and altitude.
- Avoid compression or restriction of the connection tubing.
- A loose cuff causes false measurement values.
- With repeated measurements, blood accumulates in the respective arm, which can lead to false results. Correctly executed blood-pressure measurements should therefore first be repeated after a 5 minute pause or after the arm has been held up in order to allow the accumulated blood to flow away (after at least 3 minutes).

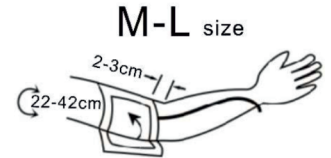
5.3. Fitting The Cuff

Insert air connector into air outlet as shown in left picture and please make sure the air connector is fitted properly to avoid air leakage. Following steps might help you in fitting the cuff.

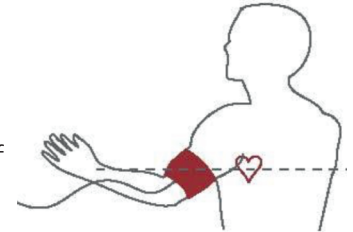


Cuff connection

- a) Secure the cuff with the Velcro fastener, so that it lies comfortably leaving no space between the cuff and the arm. Make sure it's not too tight on the arm.



- b) Lay the arm on a table, with the palm upwards. Support the arm with a rest cushion, so that the cuff rests at about the same height as the heart. Take care, that the cuff lies free. Sit still and quietly for two minutes in the exact position before start taking the measurement.

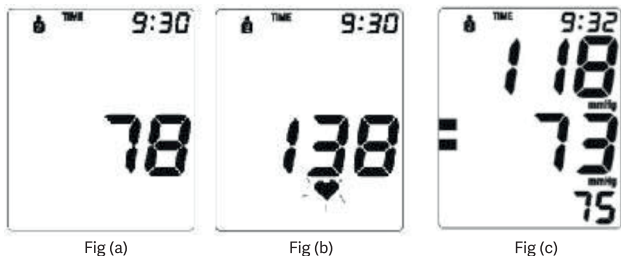


- c) Leave your legs uncrossed, feet flat on the floor, while supporting back and arm.



After the cuff has been appropriately positioned, the measurement can begin:

- Press the ON/OFF button, the pump begins to inflate the cuff. The increasing cuff-pressure is continually displayed in the display.
- Once the value reaches inflation pressure, the pump stops, and the pressure slowly falls. The cuff-pressure is displayed during the measurement. Once the device has detected the pulse, the heart symbol in the display begins to blink for every pulse beat.
- When the measurement has been concluded. The measured systolic and diastolic blood-pressure values as well as the pulse frequency get displayed. Example (Fig.): Systole 118, Diastole 73, Pulse 75.



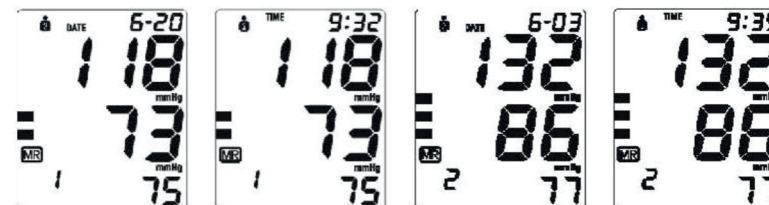
The measurement results are displayed, until you switch the device off. If no button is pressed for 3 minutes, the device switches automatically off, to save the batteries.

5.5. Discontinuing a Measurement

At times of emergencies when you have to necessarily interrupt a blood pressure measurement, you can press the On/Off power button any time you want. The device immediately lowers the cuff-pressure automatically.

5.6. Memory – Storage and Recall of the Measurements

The blood-pressure monitor automatically stores last 120 measurement values. By pressing the MEMORY button, an average value of the last 3 measurements as well as the the further last 120 measurements (MR119,MR118,...,MR1) can be displayed one after the other



(MR1: Values of the last measurement) (MR2-MR120: Values of the measurement before MR1)

5.7. Memory Full

Make sure that the maximum memory capacity is not exceeded. When the memory is full, the old values are automatically replaced with new ones. Display screen shows "memory full" to warn you to change the batteries.



5.8. Memory – Cancellation of All Measurements Attention

Ensure you will not need the stored readings later before clearing the memory of the device. Keeping a written record is advised for assistance during your next doctor's visit. For deleting the stored readings, long press the MEMORY button for at least 5 seconds, the display will show the symbol «CL», then release the button. To permanently clear the memory, Press the MEMORY button while «CL» is flashing



• 6. APPEARANCE OF THE PULSE ARRHYTHMIA INDICATOR • FOR EARLY DETECTION

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

Please show your doctor the following explanation

This instrument is an oscillometric blood pressure monitor which also analyses pulse frequency during measurement. The instrument is clinically tested. The arrhythmia symbol is displayed after the measurement if pulse irregularities occur during measurement. If the symbol appears more frequently (e.g., several times per week on measurements performed daily) we recommend the patient to seek medical advice.

The instrument does not replace a cardiac examination but serves to detect pulse irregularities at an early stage.

• 7. ERROR MESSAGES /MALFUNCTIONS •

If an error occurs during a measurement, the measurement is discontinued, and a corresponding error code is displayed.

Error No.	Possible cause(s)
ERR 1	No pulse has been detected.
ERR 2	Unnatural pressure impulses influence the measurement result. Reason: The arm was moved during the Measurement (Artefact).
ERR 3	The inflation of the cuff takes too long. The cuff is not correctly seated.

ERR 5	The measured readings indicated an unacceptable difference between systolic and diastolic pressures. Take other reading following directions carefully. Contact
Err8	The pressure in the cuff is too high (over 290 mmHg)

! ATTENTION

The values of blood pressure are subjected to fluctuations even in healthy people. To avoid this to a certain extent, ensure that the comparable measurements are taken in similar conditions. If despite the precautions, the fluctuations are larger than 15 mm Hg or you hear irregular pulse tones frequently, please consult your doctor. Our device has been subjected to strict clinical tests and the measurements taken by the device were examined by experienced doctors from Germany. The manufacturing of the device takes place according to the terms of the European standard for blood-pressure measuring device. We advise you to consult your specialist dealer or chemist if there are technical problems with your blood-pressure instrument. Never attempt to repair the instrument yourself! If problems occur when using the device, the following points should be checked and if necessary, the corresponding measures are need to be taken:

Malfunction	Remedy
The display stays empty when the instrument is switched on although the batteries are in place.	<ol style="list-style-type: none"> 1. Check batteries for correct polarity and if not insert them correctly. 2. If the display still does not show anything, change the batteries
The device frequently fails to measure the blood pressure values, or the values measured are too low or too high..	<ol style="list-style-type: none"> 1. Check the positioning of the cuff. 2. Measure the blood-pressure again in a and quiet environment.



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

1. Repeat the measurement.
2. Blood pressure fluctuates continually so successive measurements will show some variability.

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

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

8. CARE AND MAINTENANCE, RE-CALIBRATION

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

9. SAFETY, CARE AND DISPOSAL



Safety and Protection

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

Instrument care

Clean the instrument only with a soft, dry cloth.

Disposal

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



• **10. REFERENCE TO STANDARDS** •

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

Standard (for arm BPM with adapter)
IEC60601-1-6:2010+A1:2013/ EN60601-1-6:2010+A1:2015
IEC60601-1:2005+A1:2012/EN60601-1:2006+A11:2011+A1:2013+A12:2014
IEC60601-1-2:2014/ EN60601-1-2:2015
IEC/EN60601-1-11:2015
IEC80601-2-30:2009+A1:2013/EN80601-2-30:2010+A1:2015

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

• **11. TECHNICAL SPECIFICATIONS** •

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

Measuring range	Pressure: 30 to 280 mmHg (in 1 mmHg increment) Pulse: 40 to 199 beat/minute
Static accuracy	Pressure: ±3mmHg / Pulse: ±5% of reading
Measuring resolution	1mmHg
Inflation	Automatic inflation by internal pump
Memory function	2 x 120 memories for 2 users (SYS, DIA, Pulse)
Decompression	Constant exhaust valve system
Power Source	4-size "AA" alkaline Batteries (adapter: micro USB DC5.0V / 1.0A) optional
Operation Temperature	5~40°C/41~104°F
Operation Humidity	15%~85%RH maximum
Storage Temperature	-10~55°C/14~131°F
Storage Humidity	10%~95%RH maximum
Dimensions	135×112×71±1.0 mm



Weight	510 g±5g (including batteries and cuff)
Cuff pressure display range	0~290mmHg/0~38.7kPa
Electrical shock protection:	
Safety classifications:	Type B equipment
Mode of operation:	Continuous operation
Protection against ingress of water:	Ip2
Accessories:	M-size Cuff , 4 "AA" batteries, instruction manual
Please be noticed the power adapter (micro-USB DC5.0V / 1.0A) is not supplied from the origin, users can buy the adapter in the market which must comply to EN60601-1, EN60601-1-2.	

• **12. MANUFACTURER'S DECLARATION** •

Dr Trust A one Galaxy with MDI is intended for use in the electromagnetic environment specified below. The customer or the user of Dr Trust A one Galaxy with MDI should assure that it is used in such an environment.

Electromagnetic Emissions: (IEC60601-1-2)


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

Electromagnetic Immunity: (IEC60601-1-2)

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



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

Immunity test	IEC60601-1-2 test level	IEC60601-1-2 test level	Electromagnetic environment - guidance
Conducted RF IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz 80% AM (2Hz)	3 Vrms	Portable and mobile RF communications equipment should be used no closer to any part of Dr Trust A one Galaxy with MDI, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommend separation distance 3V $d = 1.2 \times \sqrt{P/280\text{MHz to } 800\text{ MHz}}$ $d = 2.3 \times \sqrt{P/2\text{MHz to } 2.5\text{ GHz}}$ 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, should be less than the compliance level in each frequency range. Interference may occur in the vicinity of equipment marked with the following symbol: 
Radiated RF IEC 61000-4-3	3 Vrms 80 MHz to 2.5 GHz 80% AM (2Hz)	3 V/m	



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

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

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

Recommended Separation Distances:

Recommended separation distance between portable and mobile RF communications equipment and Dr Trust A one Galaxy with MDI.

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

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



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

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

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

CUSTOMER SUPPORT

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