TRANSTEK

User Manual

Body Fat Analyzer

GBF-1144-B





FCC ID: OU9GBF1144-B



- Thank you very much for selecting the Transtek Body Fat Analyzer GBF-1144-B.
- Please do read the user manual carefully and thoroughly so as to ensure the safe usage of this product, and keep the manual well for further reference in case you have problems.

Table of Contents

| Safety Information | |
|--------------------------------|-------|
| Safety and Usage Information | 2 |
| Your Scale and Its Environment | 3 |
| Efficient Use of Your Scale | 3 |
| Overview | |
| Device Components ····· | |
| LCD Display | 5 |
| Initial Start-Up | |
| General Instructions | 6 |
| Insert the Batteries | - |
| Install App and Pair-up | 7 |
| Start Measuring | |
| Select Measurement Unit | 8 |
| Daily Measurement | 9 |
| Data Transmission | |
| Data Transmission | 10 |
| Troubleshooting | |
| Error Prompt | 11 |
| When Measuring | 11-12 |
| When Data Transmitting | 13 |
| Specifications | 14 |
| Maintenance | 15 |
| Warranty | 15 |
| Appendix | |
| Table of Body Fat Level | |
| Health Tips – About Body Fat | 16 |
| EMC Guidance | |

Safety Information

Safety and Usage Information

The warning signs and symbols are essential to ensure your correct and safe use of this product and protect you and others from injury. Please kindly find the meanings of the warning signs and symbols, which you may encounter in the label and user manual, as follows:

| B | Symbol for "THE OPERATION GUIDE MUST BE READ" | *** | Symbol for "MANUFACTURER" |
|------------|--|-----|---|
| Bluetooth* | The Bluetooth Combination Mark | === | Symbol for "DIRECT CURRENT" |
| ☆ | Symbol for "TYPE BF APPLIED PARTS" | \G\ | Symbol for "ENVIRONMENT PROTECTION – Waste electrical |
| SN | Symbol for "SERIAL NUMBER" | | products should not be disposed of with household waste. Please recycle where |
| | Symbol for "MANUFACTURE DATE" | | facilities exist. Check with your local authority or retailer for recycling advice" |

CAUTION

The Body Fat Analyzer GBF-1144-B offers you a seamless way to manage your health. Please be aware that this device is designed for adults' self-measuring and self-monitoring body fat level. Any information provided by this device is in no way meant to treat, cure or prevent any disease or illness from happening. This device should not be used by anyone who is acutely or chronically ill, suffering from a disease or taking medications that affect your water levels. The accuracy of readings for these patients has not been verified. Specific medical advice should be obtained from a physician.

Before diet and exercise, you must first find a professional medical guide.

The body fat analyzer is equipped with data transmission function. It may emit electromagnetic energy so as to perform its intended function. Nearby portable and mobile RF communications equipment can affect the performance of the device.

Portable and mobile RF communications equipment can affect the measuring accuracy of the body fat analyzer.

Kindly note that the use of accessories, transducers or cables other than those specified, with the exception of transducers and cables sold by the manufacturer as replacement parts for internal components, may result in increased EMISSIONS or decreased IMMUNITY of the device.

Be aware that misuse of electrical equipments can cause electric shock, burns, fire and other hazards. Please do not use the device in flammable gas environment.

Warning that the body fat analyzer should not be used adjacent to or stacked with other equipment.

Manufacturer will make available on request circuit diagrams, component parts list, etc. WARNING: No modifications of this equipment is allowed.

During using the analyzer, the patient will contact with the surface and the electrode of the Analyzer. The surface and the electrode of the analyzer is type BF Applied part.

The device doesn't need to be calibrated in five years lifetime.

Do not touch the output of batteries when using the analyzer.

The patient is an intended operator. The patient can perform all the operations in the manual, such as measurement, data transmitting, changing batteries.

INDICATIONS FOR USE

- The Transtek Body Fat Analyzer measures weight, and uses bio-electrical impedance analysis (BIA) technology to estimate body fat, total body water percentage, bone mass, and muscle mass in generally healthy children 10-17 years old and healthy adults.
- · It is intended for use in the domestic setting only.

CONTRAINDICATIONS

- 1. This device is contraindicated for any female subject who may be suspected of, or is pregnant. Besides provided inaccurate readings, the affects of this device on the fetus are unknown.
- 2. This device is contraindicated for any person who is connected to a wearable or implantable electronic device or instrument such as a pacemaker or defibrillator.

♥ Your Scale and Its Environment

To ensure your safety as well as the service life of your scale, please avoid using the scale under the following circumstances:

- Slippery floor such as tile floor
- Jumping onto the platform immediately after bath or with wet feet
- · Near a cell phone or microwave oven

Avoid storage in the following locations:

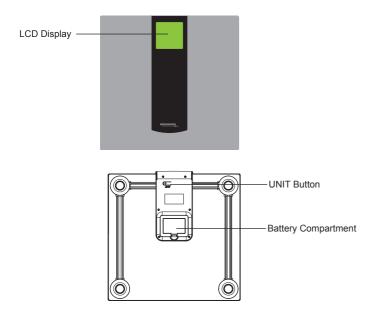
- · Where there is water
- Where the device may be exposed to extreme temperatures, humidity, moisture, direct sunlight, dust, or salt air
- · Where there is risk of shock or drop
- · Where you store chemicals or full of corrosive gases
- · Where in reach of the infants or children

♥ Efficient Use of Your Scale

To ensure the accuracy of measurement, please follow below instructions when you start measurement.

- Place the scale on a flat, hard surface. Soft surface such as carpet will affect the performance of the scale.
- * Step onto the platform with bare feet. Stand still and keep full contact with the scale until the measurement is complete.
- · Start measurement at least two hours after Getting up or Dinning.
- Avoid measurement immediately after strenuous exercise, sauna or bath, drinking, and dinning.
- Always start measurement in the same time slot and on the same scale located on the same flat, hard surface.

♥ Device Components



♥ List

- 1. Body Fat Analyzer GBF-1144-B
- 2. Three AAA-size Batteries (1.5V per each)
- 3. User Manual

♥ LCD Display



| | Pending to transmit to wireless wellness system | stlb | Stone |
|-------|---|------|----------|
| ((•)) | Data Transmitting | lb | Pound |
| BIA | Bioelectrical Impedance Analysis | kg | Kilogram |
| | Low Battery | | |

General Instructions

Transtek Body Fat Analyzer GBF-1144-B applies BIA (Bio-impedance Analysis) technology. A small amount of weak current flows through the human body so as to detect the bio-impedance and estimate body fat. The electrical current is small and may not be felt

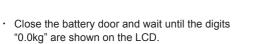
This BIA technology is cheap, safe, non-invasive, toxic-free and harmless. It also possesses the characteristics of simple operation and abundant information.

The current mentioned above is less than 0.5mA. However, please be aware that anyone with an wearable or implantable medical electronic instrument, such as a pacemaker, must avoid using this device.

The intended use of this device is for healthy children 10-17 years old and healthy adults.

♥ Insert the Batteries

- · Open the battery door in the back of the scale.
- Insert the batteries (3 x 1.5V AAA) into the battery compartment according to the polarity indications marked inside the compartment.
- * The digits "8888" will be shown on the LCD









- When the symbol
 appears, the device will power off in three seconds. Then you shall replace with a
 new set of batteries. Please replace all three batteries at the same time. Do NOT mix the old batteries
 with the new one.
- · Worn batteries are hazardous waste. Do NOT dispose of them together with the household garbage.
- Please refer to the local ordinances and recycling instructions regarding disposal of the worn batteries and scrapped device. Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact you local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.
- If you do not intend to use this unit for a prolonged period of time, it is advisable to remove the batteries before storing.

♥ Install the App and Pair-Up

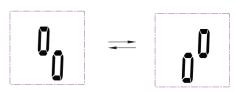
With the advanced Bluetooth 4.0 technology applied, the mobile or portable equipments, which are equipped with Bluetooth function in line with BLE Technical Specifications as well as BLP Protocol established by global organization Bluetooth SIG, are capable to receive your personal health data.

Just simply install the specially-designed app and pair up your scale with your mobile or portable equipments. Then you may enjoy the comprehensive health solution provided by Transtek.

Note: It is only available for the device which supports Bluetooth 4.0 technology.

- · Turn on Bluetooth and the App. Make sure both are ON when pair-up is proceeding.
- · Press and hold "UNIT" button in the back of the scale to start pair-up.

Symbol $_{0}^{\ \ 0}$ and symbol $^{0}_{\ 0}$ will be shown on the LCD alternatively, indicating pair-up is proceeding.



If SUCCEED, symbol [] will be shown on the LCD.

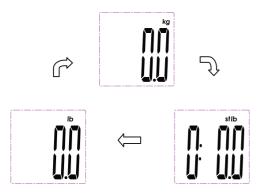


If FAIL, symbol "E1" will be shown on the LCD.



♥ Select Measurement Unit

With batteries correctly installed, press "UNIT" button in the back of the scale to select measurement unit. The default measurement unit is "kilogram". You may press "UNIT" button to choose among kilogram, stone and pound.



♥ Daily Measurement

 With original SENSE ON patent technology, GBF-1144-B will automatically switch on as you step on the platform barefooted.



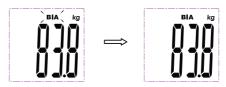
 Stand still and keep full contact with the electrodes until the LCD displays the weight and stops blinking the unit.



 When the weight is locked, the symbol "BIA" blinks, indicating the Bioelectrical Impedance Analysis is proceeding.

If the Bioelectrical Impedance Analysis measurement is sucessful, the symbol "BIA" will remain.

If it fails, the symbol "BIA" will disappear.



• After the symbol "BIA" stops blinking, the symbols " ••• and " = " light up. When your scale is successfully paired with your smartphone and the Bluetooth is ON, it will process data transmission automatically.

(Please refer to <u>Data Transmission</u> for more details.)



♥ Data Transmission

 With GBF-1144-B successfully pair-up with your smartphone, the measurement data will be transmitted to your mobile via Bluetooth.



- The symbol will disappear after successful data transmission, and you may check your personal health data stored in your smartphone.
- If the data transmission fails, the symbol will remain. The pending measurement data will be temporarily kept in the scale and transmitted to your smartphone when next measurement is complete.

| ((•)) | Data transmitting |
|-------|---|
| | Data transmitting to wireless wellness system: -If SUCCEED, the symbol disappears; -If FAIL, the symbol remains. |



- Interference may occur in the vicinity of equipment marked with the following symbol ((a)). And the Analyzer may interfere vicinity electrical equipment.
- To enable the data transmission function, this product should be paired to a Bluetooth 4.0 end.

How to mitigate possible interference?

- The range between the Analyzer and the Bluetooth end should be reasonably close, from 1
 meter to 10 meters. Please ensure no obstacles between the Analyzer and the Bluetooth end
 so as to obtain quality connection.
- 2. To avoid interference, other electronic devices (particularly those with Bluetooth transmission / Transmitter) should be kept at least 1 meter away from the Analyzer.

♥ Error Prompt

| Error | Description | Solution |
|-------|---|--|
| | Overload. The device will power off. | Stop using this scale for measurement. |
| D | Low Battery. The device will power off in three seconds. | Replace all three batteries at the same time. Please purchase the authorized batteries for replacement. |
| [1] | Failure of pairing up . | Please check below items: -Bluetooth is ONApp Collector is ONBoth devices are within the transmission distance of Bluetooth. |
| | There has data doesn't upload. (The notebook icon will be displayed.) | Upload the data. |

♥ When Measuring ...

| Problem | Root Cause | Solution |
|---|---|---|
| Abnormal measuring results: - Too high; OR | Incorrect posture | Please step on the platform barefooted and stand still. |
| - Too low; OR - Huge difference between two recent measurement. | The device is located on the soft ground such as a carpet OR on a rugged surface. | Please place the device on a flat, hard surface. |

| Problem | Root Cause | Solution |
|--|--|--|
| Abnormal measuring results: - Too high; OR - Too low; OR - Huge difference between two recent measurement. | Your feet are too dry. | Wipe your feet with a damp cloth, keeping them slightly damp when starting measurement. |
| No display on | Batteries not yet installed. | Install the batteries. (Please refer to Insert the Batteries) |
| LCD when the device powers on. | Worn batteries. | Replace all three batteries at the same time. Please purchase the authorized batteries for replacement. |
| CANNOT proceed to analyze body fat | Step onto the platform wearing socks or shoes. | Please keep barefooted during the measurement, and keep full contact with the electrodes as well. |
| The device powers off. | Low battery. | Replace all three batteries at the same time. Please purchase the authorized batteries for replacement. |

♥ When Data Transmitting ...

| Problem | Problem Root Cause Soluti | | | |
|---------------------------|---|--|--|--|
| | Bluetooth is OFF. | Turn ON the Bluetooth via the Settings. | | |
| Data transmission failed. | App is OFF. | Press the icon to run your App. | | |
| | Out of range of Bluetooth transmission. | Place your smartphone closer to the scale. | | |

♥ Specifications

| Product Name | Body Fat Analyzer |
|--|---|
| Dimension | Scale: 310x306x27.6mm (Approximately) |
| Net Weight | Approximately 1.572kg (Excluding the dry cells) |
| Display | Digital LCD |
| Measurement Unit | Kilogram / Stone/ Pound |
| Measurement Range | 5kg to 150kg /0st: 11lb to 23st: 8lb/ 11lb to 330.6lb |
| Division | 0.1kg / 0.2lb/1lb (≥20st) |
| Accuracy | 50kg: ±0.3kg; 100kg: ±0.4kg; 150kg: ±0.5kg; |
| Working Environment | Temperature: 5 ℃ to 40 ℃ Relative Humidity: ≤90% RH Atmospheric pressure: 86kPa to 106kPa |
| Storage and Transport Environment | Temperature: -20 ℃ to 60 ℃ Relative Humidity: ≤90% RH Atmospheric pressure: 50kPa to 106kPa |
| Power Source | 4.5V (Three AAA-size Batteries) |
| Turn on Method | SENSE ON technology |
| Auto-OFF | About 60s for the first time after being installed batteries and showing 0.0; About 10s for other times when it showing 0.0; About 15 seconds when the weight data is unstable. |
| Accessories | Three AAA-size Batteries User Manual |
| Mode of Operation | Continuous Operation |
| Degree of protection | Type BF applied part |
| Software Version | A04 |
| Protection Against Ingress of Water | IP21 |

About the Accuracy of This Product

Please refer to the above table for the descriptions on accuracy. This product is specially designed for body fat analysis as well as weight measurement. It should NOT be used by anyone during the process of transaction for verification of goods' weight.

♥ Maintenance

When carrying out usual maintenance, please ensure practice of the following Do's and Don'ts:

- DO use a dry soft cloth to wipe the dust.
- DO use a wet soft cloth, dipped into water and wrung out, to wipe the dirt. Then use a
 dry soft cloth to dry up the device.
- DON'T wash the device with water or immerse it in water.
- DON'T use propellant, abrasive or other chemicals to wipe the dirt in avoidance of discolor or malfunction.
- DON'T disassemble this device. If you have any problems, please contact Transtek. (Please refer to Warranty for contact information)

♥ Warranty

- Transtek warrants its products free of defects in materials and workmanship in normal use for a period of FIVE years from the date of retail purchase.
- This warranty does NOT cover damages caused by misuse or abuse, including but not limited to:
- → Failure caused by unauthorized repairs or modifications;
- → Damage caused by shock or drop during transportation;
- → Failure caused by improper operation inconsistent with the instructions stated in this user manual:
- → Malfunction or damage from failure to provide the recommended maintenance;
- → Damage caused by improper use of power supply.
- Should this device require maintenance (or replacement at our option) under warranty, please deliver the original package to ZHONGSHAN LIFESENSE ELECTRONICS CO., LTD prepaid. Please return the store receipt (with the retail purchase date) and a note with reasons to return on it as well.

ZHONGSHAN LIFESENSE ELECTRONICS CO., LTD

23, Jin'an Road, Minzhong, Zhongshan, 528441, Guangdong, China

Tel: 86-760-88282982

Website: http://www.transtek.cn

[•] This product passes strict inspection before delivery and therefore its accuracy is guaranteed by the manufacturer. Please refer to the above table for the descriptions on accuracy.

Appendix

Appendix

♥ FCC Regulations

FCC User Guide Information

Radio Frequency Interface Requirements - FCC

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

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

Radio Transmitters (Part 15)

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC RF Exposure Guidelines

Safety Information

Reducing RF Exposure - Use Properly

Only operate the device in accordance with the instructions supplied.

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment.

♥ Table of Body Fat Level (Unit: %)

a) The body fat percentage (%): 5%-60%/0.1%

Standard for Men

Standard for Women

| Rating | | | Age | | | Rating | | | Age | | |
|-----------------|---------|---------|---------|---------|---------|-----------------|---------|---------|---------|---------|---------|
| | 20-29 | 30-39 | 40-49 | 50-59 | 60+ | | 20-29 | 30-39 | 40-49 | 50-59 | 60+ |
| low | <13 | <14 | <16 | <17 | <18 | low | <19 | <20 | <21 | <22 | <23 |
| Normal | 13-20 | 14-21 | 16-23 | 17-24 | 18-25 | Normal | 19-28 | 20-29 | 21-30 | 22-31 | 23-32 |
| Moderately High | 20.1-23 | 21.1-24 | 23.1-26 | 24.1-27 | 25.1-28 | Moderately High | 28.1-31 | 29.1-32 | 30.1-33 | 31.1-34 | 32.1-35 |
| High | >23 | >24 | >26 | >27 | >28 | High | >31 | >32 | >33 | >34 | >35 |

Source: University of Illinois Department of Food Science and Human Nutrition. Body Fat Percentage Calculator.

♥ Health Tips - About Body Fat

Fat is essential for human body. It can not only store energy and protect viscera, but also regulate body temperature and maintain normal physiological function of human body. However, too much body fat is harmful to human body. It is always accompanied by Fatty Liver, diabetes, coronary heart disease, etc.

Therefore self-measuring and self-monitoring body fat level are beneficial to your health. Since we can't judge body fat level simply by our weight, this body fat analyzer, with BIA (Bio-impedance Analysis) technology applied, is an accurate device that offers a quick and comfortable way to obtain your body fat level.

Appendix

♥ EMC Guidance

Appendix

Table 1 Guidance and MANUFACTURER's declaration – ELECTROMAGNETIC EMISSIONS- for all ME EQUIPMENT and ME SYSTEMS

| Guidance and manufact | urer's declaration – ele | ctromagnetic emissions |
|---|--------------------------|---|
| The device is intended for us below. The customer or the such an environment. | | |
| Emissions test | Compliance | Electromagnetic environment - guidance |
| RF emissions CISPR 11 | Group 2 | The device must emit electromagnetic energy in order to perform its intended function. Nearby electronic equipment may be affected. |
| 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 – for all ME EQUIPMENT and ME SYSTEMS

| | led for use in the electromage user of the device should a | | |
|---|--|----------------------------|--|
| IMMUNITY test | IEC 60601 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%. |
| Electrical 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 line(s) to line(s) ±2 kV line(s) to earth | 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% U _T (>95% dip in U _T) for 0.5 cycle 40% U _T (60% dip in U _T) for 5 cycles 70% U _T (30% dip in U _T) for 25 cycles <5% U _T (>95% dip in U _T) for 5 s | Not applicable | Mains power quality should be that of a typical commercial or hospital environment. If the user of the device requires continued operation during power mains interruptions, it is recommended that the device be powered from an uninterruptible power supply or a battery. |
| Power frequency (50/60Hz) magnetic field IEC 61000-4-8 | 3A/m | 3A/m | Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment. |

Appendix

Table 4 Guidance and MANUFACTURER's declaration – electromagnetic IMMUNITY – for ME EQUIPMENT and ME SYSTEMS that are not LIFE-SUPPORTING

| IOI ME EQUIPMENT AND ME STOTEMS that are not life-supporting | | | | | | |
|--|--------------------------------|---------------------|---|--|--|--|
| Guidance and m | nanufacturer's decla | ration – electromaç | gnetic immunity | | | |
| | | | vironment specified below. at it is used in such an environment. | | | |
| IMMUNITY test | Y test | | | | | |
| | | | Portable and mobile RF communications equipment should be used no closer to any part of the device, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. | | | |
| Conducted RF IEC 61000-4-6 | 3 Vrms 150 kHz to 80 MHz | Not applicable | Recommended separation distance $d = [\frac{3.5}{V_1}] \sqrt{P}$ | | | |
| Radiated RF IEC 61000-4-3 | 3 V/m 80 MHz to 2.5 GHz | 3 V/m | $d=$ 1.167 \sqrt{P} 80 MHz to 800 MHz $d=$ 2.333 \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 metres (m). | | | |
| | | | Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, ⁸ 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 device is used exceeds the applicable RF compliance level above, the device should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the device.
b Over the frequency range 150 kHz to 80 MHz, field strengths should be less than

[V1]V/m

Table 6 Recommended separation distances between portable and mobile RF communications equipment and the ME EQUIPMENT or ME SYSTEM – for ME EQUIPMENT and ME SYSTEMS that are not LIFE-SUPPORTING

| Recommended separation distances | | | | | | |
|---|--|--|--|--|--|--|
| between portable and mobile RF communications equipment and the device. | | | | | | |

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

| Rated maximum output power of transmitter (W) | Separation distance a | according to frequency of transmitter (m) | |
|---|--|---|--------------------|
| | 150 kHz to 80 MHz | 80 MHz to 800 MHz | 800 MHz to 2.5 GHz |
| | $d = \left[\frac{3,5}{V_1}\right]\sqrt{P}$ | $d=1.167\sqrt{P}$ | $d=2.333\sqrt{P}$ |
| 0.01 | Not applicable | 0.117 | 0.233 |
| 0.1 | Not applicable | 0.369 | 0.738 |
| 1 | Not applicable | 1.167 | 2.333 |
| 10 Not applicable | | 3.690 | 7.378 |
| 100 | Not applicable | 11.67 | 23.33 |

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in metres (m) can be estimated 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 80MHz and 800MHz, 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.