CARETALK®

TH5001N

User Manual



Please Read this Instruction manual before use

Non-contact Forehead Thermometer

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INTRODUCTION

Thank you for purchasing Digital Non-contact Forehead Thermometer TH5001N from Shenzhen Dongdixin Technology Co., LTD. The thermometer has been carefully developed for accurate, safe ,fast and contact-free human body temperature measurements (at a distance of approximately 2-5cm) in the forehead and object temperature measurements. The reference body site is core and the mode of operation is adjusted mode.

INTENDED USE

The Non-contact Forehead Thermometer is a non-sterile, reusable clinical thermometer intended for the intermittent determination of human body temperature on the centre of the forehead as the measurement site on people of all ages.

IMPORTANT SAFETY INFORMATION

However, as with any thermometer, proper technique is critical to obtaining accurate temperatures.

Therefore, in order to obtain an accurate measurement, please read this manual carefully before using.

- Use of this thermometer is not intended as a substitution for consultation with your physician. Measurement results are for reference only. Contact your physician if you have or suspect any health concerns.
- The users should never to base their treatment decision or decision to seek professional help solely on the measurement with the device, and ignore other possible symptons of disease. To avoid possible treatment delay, which might contribute to an injury or aggravation of the underlying disease.
- Conducting self-diagnosis and/or treatment based on the measurement results can be dangerous. Be sure to follow the instruction of your doctor.
- Be sure to consult a physician if you feel that your health is in poor ondition.
- Dry the device in a ventilated area if water enters the case from the outside. To resume use after moisture evaporates.
- When the operating environment is relatively dry, strong electromagnetic interference usually occurs. At this time, the device may be affected as follows:
 - the device turns off:
 - the device restarts;

The above phenomenon does not affect the basic safety and essential performance of the device, and the user can use it according to the instruction. If you want to avoid the above phenomenon, please use it according to the environment specified in the manual.

- The infrared sensor must be kept clean, dry, and undamaged at all times to ensure accurate measurements.
- Lipid on the forehead may cause an inaccurate measurement, so make sure the forehead is clean.
- ➢ If you clean the forehead, please waiting for 5~10 minutes before easuring. A soiled infrared sensor will result in inaccurate measurement. Be sure to check the infrared sensor is clean before use.
- Do not use forehead measurement mode for measurements other than human body temperature.
- The patient may be the proper operator of the thermometer. Only use the thermometer as described in this user manual. Any other use is deemed improper and may result in damage to property or even personal injury.
- When the device is used to measure the temperature of a child, it has to be operated by an adult. Adults can measure their own temperature.
- The temperature of the storage area differs greatly from that of the measuring area, please wait the thermometer temperature to equalize to the room temperature about 30 minutes before use.
- Body temperature rises after vigorous exercise, a bath or shower, or eating. Wait at least 30 minutes before taking temperature readings.
- Don't store the thermometer to extremes temperature or extremes humidity. Failing to do so may cause inaccuracy.
- > Don't operate the thermometer under extremes temperature or extremes humidity. Failing to do so may cause inaccurate measurement.
- Don't use the thermometer if the main body is damaged(for example the infrared sensor is broken). The continuous use of a damaged unit may cause injury, improper results, or serious danger.
- Please avoid mechanical shock, otherwise the thermometer will be damaged.
- Don't take apart, repair or change any parts of the unit without authorization of the manufacturer, except for replacing batteries.
- Do not use any accessories which have not specified in this instruction manual
- > Do not service and maintain the thermometer while it is in use.
- Keep the thermometer out of the reach of children and to avoid inhalation or swallowing of small parts. Do not allow children to take their temperatures unattended.
- Please put the dry out batteries in recycle bin not to trash. The batteries may explode on fire.

- If your thermometer will not be used on a regular basis, remove batterery to prevent possible damage due to chemical leakage. If battery does leak, remove carefully. Do not allow bare skin to touch leaking fluid.
- This product needs special precautions regarding EMC and needs to be installed and put into service according to the EMC information provided, and this unit can be affected by portable and mobile RF communications equipment.
- > You should contact the manufacturer or the manufacturer's representive:
 - for assistance, if needed, in setting up, using or maintaining the thermometer; or
 - to report unexpected operation or events.

BODY TEMPERATURE

Normal body temperature is a range. A person's normal temperature range tends to decrease with age. The following table shows normal temperature ranges by age:

Normal temperature ranges by age:

0 – 2 years	36.4 – 38.0 °C	97.5 – 100.4 °F
3 – 10 years	36.1 – 37.8 °C	97.0 – 100.0 °F
11 – 65 years	35.9 – 37.6 °C	96.6 – 99.7 °F
> 65 years	35.8 – 37.5 °C	96.4 – 99.5 °F

Source: Chamberlain, J.M., et al., Determination of Normal Ear Temperature with an Infrared Emission Detection Thermometer, Annals of Emergency Medicine, January 1995, Vol. 25, pp. 15-20.

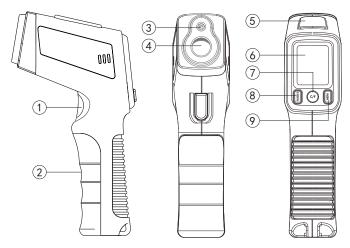
The range of normal temperature varies from person to person and can be influenced by many factors such as time of day, measure from different sites, level of activity, medications, emotion and so on. So we recommend that you practice with the Thermometer on yourself and family members when you are healthy. This way you know how the thermometer works and can feel more confident of the measurements you take when a family member is ill.

PACKAGE COMPONENTS

NO.	DESCRIPTION	QUANTITY
1	Non-contact Forehead Thermometer	1 piece
2	User manual	1 piece
3	DC 9V battery (1×6F22)	1 piece

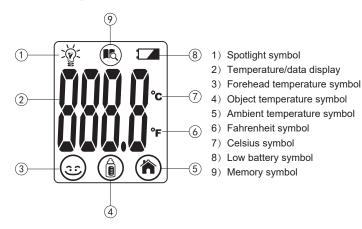
PRESENTATION

Operation panel



- 1) Measurement button
- 2) Battery cover
- 3) Spotlight head
- 4) Infrared sensor
- 5) Bi-colour light
- 6) LCD
- 7) C/F button
- 8) Mode button
- 9) Memory button

LCD display



BEFORE USE

- 1. To achieve accurate measurement, it is very important to check the infrared sensor and sure it is clean before using. To clean the sensor, gently wipe its surface with a cotton swab slightly moistened with alcohol and immediately wipe dry with a clean cotton swab. After cleaning, wait at least 15~20 minutes drying time before taking temperatures.
- Lipid on the forehead may cause an inaccurate measurement, so make sure the forehead is clean. If you clean the forehead, please keep waiting for 10 minutes before measuring.
- If the temperature of the storage area differs greatly from that of the measuring area, please wait the thermometer temperature to equalize to the room temperature about 30 minutes before measuring.
- After the thermometer turns off automatically, you can turn it on by pressing any button.
- 5. The interval of each measurement time should be greater than 3 seconds.

HOW TO MEASURE FOREHEAD TEMPERATURE



- Place the thermometer in your hand as shown with your thumb on the [Measurement] button.
- > Do not press the button yet.
- > Make sure the probe is clean before measuring.
- Place the infrared sensor of the thermometer in the middle of the forehead, and press the [Measurement] button to start the measure.



Do not touch the infrared sensor to the forehead, and keep a distance of about 2-5 cm from the forehead.

 Keep the infrared sensor still, measure the forehead temperature and display the temperature within 1 ~ 2 seconds.

Caution:

In the forehead temperature measurement mode:

- Press [Measurement] button to restart measuring the forehead temperature;
- Press [MODE] button to switch the temperature measurement status, it cycles between forehead temperature mode, object temperature mode, and ambient temperature mode;
- Press and hold [C/F] button to turn on and turn off the spotlight and DIDI sound;
- 4) Press the [MEN] button to enter the memory status.





HOW TO MEASURE OBJECT EMPERATURE

- Hold the thermometer and ensure the Infrared sensor is around 2-5 cm from the liquid or surface whose temperature you want to measure. Press the [MODE] button in the forehead temperature mode, and the thermometer will enter the object measurement mode.
- Make sure don't use this mode to measure body temperature.
- Keep the infrared sensor still, measure the object temperature and display the temperature within 1 ~ 2 seconds.
- Remove the thermometer from the object. The LCD displays the measured temperature.

Caution:

In object measurement mode, the measured object temperature will not be stored.

In object measurement mode:

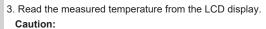
- Press [Measurement] button to restart measuring object temperature;
- Press [MODE] button to switch the temperature measurement mode, it cycles between forehead temperature mode, object temperature mode, and ambient temperature mode;
- Press and hold [C/F] mode to turn on and turn off the spotlight and DIDI sound;
- 4) Press the [MEN] button to enter the memory status;





HOW TO MEASURE AMBIENT TEMPERATURE

- Hold the thermometer, press the [MODE] button in the object temperature mode, and the thermometer will enter the ambient measurement mode.
- Make sure don't use this mode to measure body temperature.
- Keep the infrared sensor still, measure the ambient temperature and display the temperature within 1 ~ 2 seconds.



- In ambient measurement mode, the measured ambient temperature will not be stored.
- In ambient measurement mode:
- Press [Measurement] button to restart measuring ambient temperature;
 - Press [MODE] button to switch the temperature measurement mode, it cycles between forehead temperature mode, object temperature mode, and ambient temperature mode;
- Press and hold [C/F] mode to turn on and turn off the spotlight and DIDI sound;
- 4) Press the **[MEN]** button to enter the memory status;



TEMPERATURE TAKING HINTS

- External factors may influence forehead temperature. particularly when an individual has:
- been exposed to very hot or very cold temperatures.
- > been recently swimming or bathing.
- had their forehead covered.
 In these cases, let the individual stay away from the above scenario and station in a room for 30 minutes prior to talking a temperature.
- With object measurement, the current surface temperature of the object is displayed. It can be different from its internal temperature, especially if the surface is exposed to direct sunlight or a draught.

TEMPERATURE INDICATION

There are two colors LED temperature indicator in this Unit, after measuring the forehead temperature, the user will be reminded automatically with different colors of light for 10 seconds according to the temperature measurement result. The detail range refer to following:

➤ Green LED: 34.0°C(93.2°F)~37.9°C(100.3°F)
➤ Red LED: 38.0°C(100.4°F)~42.9°C(109.3°F)



When the LED light shows red color, please confirm that the measure method is correct. If multiple measurements indicate red color, there is a greater risk of fever. Please consult your physician to seek medical advice in a timely manner.



CHECK THE MEMORY

In the state other than the sleep state, press the **[MEN]** button to enter the memory state.

- If no data has been stored, the screen displays "-"; if there is already stored data, press and hold the [MEN] button, then the screen displays the number, release [MEN] button to display the measurement result and measurement mode, and up to 30 groups of data can be stored:
- > In the memory status:
 - Press [Measurement] button to enter the forehead measurement mode and start to measure the forehead temperature;
 - Press [MODE] button to switch the temperature measurement mode, it cycles between forehead temperature mode, object temperature mode, and ambient temperature mode;
 - Press and hold [C/F] mode to turn on and turn off the spotlight and DIDI sound;
 - 4) Press the **[MEN]** button to enter the memory status;
- When the temperature measurement is completed and new data is stored, if the data has reached 30 groups, the earliest group of data is deleted, the remaining groups are shifted back in order, and the new data becomes the 30th group;

CELSIUS/FAHRENHEIT OPTION

Short press [C/F] button to switch between Celsius (°C) / Fahrenheit (°F) units.





REPLACING THE BATTERY

When the low battery indicator " \(\bigcirc \)" appears on the LCD, or the thermometer does not function at all, you should replace new battery as soon as possible. The thermometer is supplied with one battery (Type 6F22).

Move the battery cover, and pull up the batteries, then insert new battery into the battery compartment.

Make sure you are installing batteries properly, ensure to match the positive and negative polarity marked in the battery compartment. Slide battery cover back until it snaps in place.





Caution:

To protect the environment, dispose of exhausted battery according to national or local regulations.

Keep the battery out of the reach of children.

SPECIFICATIONS

DC 9V (1×6F22)
32.0°C ~ 42.9°C (89.6°F ~ 109.3°F)
±0.2°C(±0.4°F) for 35.0°C (95.0°F) ~42.0°C (107.6°F) ±0.3°C (±0.5°F) for other range
0°C~100°C (32.0°F~212.0°F)
±2.0°C(±4.0°F)
5.0°C ~ 59.9°C (41.0°F~139.8°F)
±1°C (±2°F)
173.0(L) x 96.0(W) x 46.5(H)
About 155.7g (without battery)
15.0°C~40.0°C (59.0°F~104.0°F) with a relative humidity of 15%~85% Atmosphere pressure: 700hPa-1060hPa
10.0°C~40.0°C (50.0°F~104.0°F) with a relative humidity of 15%~85% Atmosphere pressure: 700hPa-1060hPa
-20°C~55°C (-4°F~131°F) with a relative humidity of 15%~90% Atmosphere pressure: 700hPa-1060hPa

Service life: 2 years

Service life of the battery: With a new battery (Carbon) approx. 6 months based on the use frequency at 5 times/day

Classification of ME Equipment: Internally powered/Continuous operation



Caution

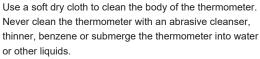
This thermometer has been thoroughly tested and inspected to assure proper performance and operation!

CARE AND CLEANING

To ensure accurate measurements, keep the infrared sensor clean and free of scratches is very important. Finger prints, dirt will affect the accuracy of the thermometer.

In order to get an accurate measurement, please clean the infrared sensor.

Gently wipe its surface with a cotton swab slightly moistened with alcohol and immediately wipe dry with a clean cotton swab.



After cleaning, place the thermometer in the protective case . Store it in a clean, dry place at room temperature. Never expose the thermometer to extreme temperatures, humidity, direct sunlight or shock.



CALIBRATION

The thermometer is initially calibrated during manufacturing, before ex-factory. If the thermometer is used according to the instruction, periodic recalibration is not required. If at any time you question the accuracy of the measurement, please contact the retailer immediately.

Don't attempt to modify or reassemble the thermometer.

TROUBLESHOOTING

Troubles	Checklists	Counter measures	
No response / Automatic reset when pull out insulator	Battery used up? Battery in wrong polarity? Poor battery contact	Change new battery or take out battery and reinsert correctly	
The temperature measurement shows Lo or Hi	The measured temperature is lower than 32.0°C/89.6°F or higher than 42.9°C/109.3°F Please check the operation method	Follow User's Manual for proper measurement.	
	Whether the temperature sensor is open	Contact your distributor	
P-5t r-5t	Whether the temperature sensor is short-circuited	Contact your distributor	
The measurement is not accurate or if there is any	Please check if the infrared sensor is clean or not	Clean the infrared sensor with cotton swab according to user manual	
doubt on the measured result	Please check the measuring way is correct or not	Ensure you have read the manual and know how to use the thermometer properly.	

Troubles	Checklists	Counter measures	
The measurement is not accurate or if there is any doubt of the	Please check if you have let the thermometer and patient gets stabilized in the room for 30 minutes at least	Please keep the thermometer and patient in the measuring room at least 30 minutes before using	
measure result	Are you using the thermometer indoor	Please take the measurement indoor	
	Please check if you held the thermometer in your hand too long and affect the accuracy	Put the thermometer on the table in the room where the measurement is taking place and let it cool down first	

NORMALIZED SYMBOLS



Applied part of type BF



Disposal in accordance with Directive 2012/19/EU (WEEE)



Complies with the European Medical Device Directive (93/42/EEC) and amended by directive 2007/47/EC requirements. Notified body TÜV Rheinland (CE0197)



The name and the address of the manufacturer



The name and the address of the Authorized EC-representative in Europe



Caution



Refer to Instruction Manual.



Date of Manufacture



Serial number



Transportation and storage temperature from -20°C(-4°F) to 55°C(131°F)



Transportation and storage humidity limits from 15% to 90%



Transportation and storage atmospheric pressure limits from 700hPa to 1060hPa

DISPOSAL

Exhausted battery does not belong to household waste. Dispose the battery according to the current federal, state and local regulation. As a consumer, you are obligated by law to return the used batteries.



NOTES:

- Under the environment with electrostatic discharge, the unit may malfunction and may require user to reset the unit.
- 2) Dispose the used batteries with care; please consult the retailer for details.

WARRANTY

One year warranty is available from purchasing date, excluding caused failures listed below:

- 1. Failure resulted in unauthorized disassembly and modification.
- 2. Failure resulted in unexpected drop during application or transportation.
- 3. Failure resulted in operation away from proper instruction in User's Manual. Present the warranty card Card with seal of distribution center (include. name and address) for free repairing.

FCC COMPLIANCE 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.

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

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 o 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.

IMPORTANT INFORMATION REGARDING ELECTROMAGNETIC COMPATIBILTY(EMC)

- This device should not be used adjacent to or stacked with other equipment and that if adjacent or stacked use is necessary, this device should be observed to verify normal operation in the configuration in which it will be used
- Use of accessories other than those specified or provided by the manufacturer of this device could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.
- 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 device, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.
- When the operating environment is relatively dry, strong electromagnetic interference usually occurs. At this time, the device may be affected as follows:
 - the device stops output;
 - the device turns off;
 - the device restarts;

The above phenomenon does not affect the basic safety and essential performance of the device, and the user can use it according to the instruction. If you want to avoid the above phenomenon, please use it according to the environment specified in the manual.

Declaration - Electromagnetic emission

THE THERMOMETER is intended for use in the electromagnetic environment specified below. The customer or the user of THE THERMOMETER should assure that it is used in such an environment.

Emissions test	Compliance	Electromagnetic environment - guidance
RF emissions CISPR 11	Group 1	THE THERMOMETER 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	
Harmonic emissions IEC 61000-3-2	Not applicable	THE THERMOMETER is suitable
Voltage fluctuations/ flicker emissions IEC61000-3-3	Not applicable	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.

Declaration - Electromagnetic immunity

THE THERMOMETER is intended for use in the electromagnetic environment specified below. The customer or the user of THE THERMOMETER should assure that it is used in such an environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment – guidance
Electrostatic discharge (ESD) IEC 61000-4-2	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air	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	± 0.5kV, ± 1 kV line(s) to lines ± 0.5kV, ± 1 kV, ± 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	0 % UT; 0.5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 0 % UT; 1 cycle and 70 % UT; 25/30 cycles Single phase: at 0° 0 % UT; 250/300 cycles	Not applicable	Mains power quality should be that of a typical commercial or hospital environment. If the user of THE THERMOMETER requires continued operation during power mains interruptions, it is recommended that THE THERMOMETER be powered from an uninterruptible power supply or a battery.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	30 A/m	30 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.

NOTE: UT is the a.c. mains voltage prior to application of the test level.

Declaration - Electromagnetic immunity

THE THERMOMETER is intended for use in the electromagnetic environment specified below. The customer or the user of THE THERMOMETER should assure that it is used in such an environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
Conducted RF IEC 61000-4-6	3V 0.15 MHz to 80MHz 6 V in ISM and amateur radio bands between 0.15 MHz and 80 MHz	Not applicable	Portable and mobile RF communications equipment should be used no closer to any part of THE THERMOMETER , than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance $d=1.2 \ \sqrt{P}$
Radiated RF IEC 61000-4-3	10V/m 80 MHz to 2.7 GHz	10V/m	$d = 1.2 \sqrt{P}$ 80 MHz to 800 MHz $d = 2.3 \sqrt{P}$ 80 MHz to 2.7 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.

Interference may occur in the vicinity of equipment marked with the following symbol:

with the following symbol:

the higher frequency range applies.

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 RF 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 THERMOMETER is used exceeds the applicable RF compliance level above, THE THERMOMETER should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating THE THERMOMETER.
- b Over the frequency range 0.15 MHz to 80 MHz, field strengths should be less than 3 V/m.

Recommended separation distances between portable and mobile RF communications equipment and THE THERMOMETER

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

Rated maximum	Separation distance according to frequency of transmitter m			
output power of transmitter	0.15 MHz to 80 MHz 80 MHz to 800 MHz 8		80 MHz to 2.7 GHz	
W	d = 1.2 √P	d = 1.2 √P	d = 2.3 √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 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 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.

Declaration-IMMUNITY to proximity fields from RF wireless communications equipment

Immunity test	IEC60601 test level			Compliance level	Electromagnetic environment	
	Test frequency	Modulation	Maximum power	Immunity level	tevet	guidance
Radiated RF	385 MHz	**Pluse Modulation: 18Hz	1.8W	27V/m	27V/m	
IEC61000 -4-3	450 MHz	*FM+5Hz deviation: 1kHz sine	2W	28V/m	28V/m	
	710 MHz 745 MHz 780 MHz	**Pulse Moduation: 217Hz	0.2W	9V/m	9V/m	
	810 MHz 870 MHz 930 MHz	**Pulse Moduation: 18Hz	2W	28V/m	28V/m	
	1720 MHz 1845 MHz 1970 MHz	**Pulse Moduation: 217Hz	2W	28V/m	28V/m	
	2450 MHz	**Pulse Moduation: 217Hz	2W	28V/m	28V/m	
	5240 MHz 5500 MHz 5785 MHz	**Pulse Moduation: 217Hz	0.2W	9V/m	9V/m	

Note * -As an alternative to FM modulation, 50 % pulse modulation at 18 Hz may be used because while it does not represent actual modulation, it would be worst case.

Note** -The carrier shall be modulated using a 50 % duty cycle square wave signal.



Shenzhen Dongdixin Technology Co., LTD. Floor 1-2, No.3 Building, Fanshen Xusheng Industrial Estate Xilixiaobaimang 518108 Nanshan District, Shenzhen P. R. China Tel: 0086-755-27652316 E-mail: service@e-caretalk.com

EC REP

Shanghai International Holding Corp. GmbH (Europe) Eiffestraße 80, 20537 Hamburg Germany Tel: 0049-40-2513175 Fax: 0049-40-255726

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