


GUIDANCE AND MANUFACTURER'S DECLARATION

Portable and mobile RF communications equipment can affect this device. The user of this device needs special precautions regarding EMC and needs to be installed and put into service according to the EMC information provided in the guidance in the guidance provided below.

ELECTROMAGNETIC EMISSION		
The Digital Thermometer is intended for use in the electromagnetic environment specified below. The customer or the user of the digital Thermometer should assure that it is used in such an environment.		
Emission Test	Compliance	Electromagnetic Environment Guidance
RF Emission CISPR 11	Group 1	The Digital Thermometer uses RF energy only for its internal functions. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF Emission CISPR 11	Class B	The Digital Thermometer is suitable for use in all establishment other than domestic and those directly connected to the public low voltage power supply network that supplies buildings used for domestic purposes.
Harmonic Emission IEC 61000-3-2	Not Applicable	
Voltage fluctuations / flicker emission IEC 61000-3-3	Not Applicable	

ELECTROMAGNETIC IMMUNITY			
The Digital Thermometer is intended for use in the electromagnetic environment specified below. The customer or the user of the Digital 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)	± 6 kV Contact	± 6 kV Contact	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
	± 8 kV Air	± 8 kV Air	
Electrostatic discharge (ESD) IEC 61000-4-2	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.

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Immunity test	IEC 60601 Test level	Compliance level	Electromagnetic Environment - Guidance
Radiated RF IEC 61000-4-3	3 V/m da 80MHz a 2,5GHz	3 V/m	<p>Portable and mobile RF communications equipment should be used no closer to any part of the Digital Thermometer, including cables, than recommended separation distance calculated from the equations applicable to the frequency of the transmitter.</p> <p>Recommended separation distance $D = da 1,2\sqrt{P}$ 80 MHz a 800 MHz $d = da 2,3\sqrt{P}$ 800 MHz a 2,5 Ghz</p> <p>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).</p> <p>Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, should be less than the compliance level in each frequency range.</p> <p>Interference may occur in the vicinity of equipment marked with the following symbol: </p>

NOTE 1 At 80 MHz e 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 Fields strengths from fixed transmitter, such as base station for radio (cellular / cordless) telephones and land mobile radio, 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 Digital Thermometer is used exceeds the applicable RF compliance level above, the Digital 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 Digital Thermometer.

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