

## MEDICAL ELECTRICAL EQUIPMENT EN60601-1-2:2007

EMISSIONS EN60601-1-2 : 2007				
	Port	Frequency Range	Limits	Basic Standard
Radiated Emissions	Enclosure	30 MHz— 230 MHz 230 MHz— 1 GHz	30 / 40 dBuV/m ( 10m Measurement distance ) 37 / 47 dBuV/m	CISPR 11
Conducted Emissions	AC Mains Power Ports	0.15 MHz— 0.5 MHz 0.5 MHz— 5 MHz 5 MHz— 30 MHz	66 - 56 dBuV QP / 56 - 46 dBuV Average      79 dBuV QP / 66 dBuV Average 56 dBuV QP / 46 dBuV Average                  73 dBuV QP / 60 dBuV Average 60 dBuV QP / 50 dBuV Average                  73 dBuV QP / 60 dBuV Average	
Mains Harmonics		0 - 2 kHz	EN61000-3-2	
Flicker			EN61000-3-3	
Inrush Current			EN61000-3-3	

IMMUNITY EN60601-1-2 : 2007					
Item	Port	Phenomenon	Basic Standard	Test Value	Notes
1	Enclosure	Electrostatic discharge (ESD) EM Radiated Field  Magnetic Field	EN61000-4-2 EN61000-4-3  EN61000-4-11	6 kV / 8 kV contact / air 3 / 10 V/m (80 MHz—2.5 GHz 1 KHz AM )  3 A/m	
2	AC Power	Fast Transient Burst Surge  Conducted RF Voltage Dips  Voltage Interruptions	EN61000-4-4 EN61000-4-5  EN61000-4-6 EN61000-4-11  EN61000-4-11	2.0 kV 2.0 kV Line to Earth ( 5 SURGES X 3) 1.0 kV Line to Line ( ports > 10m) 3 / 10 V rms 1 kHz 80% AM modulation 30% for 500 ms, 60% for 100 ms 95% for 10ms >95% for 5 s	
3	DC Power	Fast Transient Burst Surge  Conducted RF	EN61000-4-4 EN61000-4-5  EN61000-4-6	2.0 kV ( ports > 10m) 0.5 kV Line to Earth ( ports > 10m) 0.5 kV Line to Line ( ports > 10m) 3 / 10 V rms 1 kHz 80% AM modulation	
4	I/O Signal / Control	Fast Transient Burst Surge Conducted RF	EN61000-4-4 EN61000-4-5 EN61000-4-6	1.0 kV ( ports > 3m) 1 kV Line to Earth ( ports > 30m) 10 V rms 1 kHz 80% AM modulation 3 Vrms at 47—68 MHz	
5	Functional Earth Ports	Fast Transient Burst Conducted RF	EN61000-4-4 EN61000-4-6	1.0 kV ( ports > 3m) 3 / 10 V rms 1 kHz 80% AM modulation	
Note: ISM Band frequency special conditions apply : see standard DOP : 01-02-08					