

## SAFETY AGENCY INFORMATION

# Medical Equipment, Including Dental Equipment

<b>Standard</b>	<b>Earth Leakage</b>	<b>Electric Strength</b>	<b>Creepage Distance</b>
<b>IEC/EN/CSA 60601-1</b>	N.C. = 500 $\mu$ A (6)	Input to Ground = 1500 V ac (1) Input to Output = 4000 V ac (1,3)	Input to Ground = 4 mm (2) Input to Output = 8 mm (2,3)
<b>UL 60601-1</b>	N.C. = 300 $\mu$ A (6)		

### IEC ELECTROMAGNETIC COMPATIBILITY (EMC)

#### DISTURBANCE

Fundamental Definitions and Terms  
 Description of Environment  
 Compatibility Levels for Systems  
 Radiated and Conducted Phenomena  
 Compatibility Levels in Industrial Plants  
 Limits for Harmonic Current  
 Limitation Voltage Fluctuation/Flicker  
 High Current Voltage Fluctuation/Flicker  
 General Specification - Overview  
 Electrostatic Discharge Test  
 Radiated RFI Immunity  
 Electrical Fast Transients/Burst  
 Mains Surges  
 Conducted RFI  
 Harmonics and Inter-Harmonics  
 Mains Frequency Magnetic Field  
 Pulsed Magnetic Field  
 Damped Oscillatory Magnetic Field  
 Supply Voltage Dips and Interruptions  
 Oscillatory Waves Immunity

#### GENERAL

IEC1000-1-1  
 IEC1000-2-1  
 IEC1000-2-2  
 IEC1000-2-3  
 IEC1000-2-4  
 IEC1000-3-2  
 IEC1000-3-3  
 IEC1000-3-5  
 IEC1000-4-1  
 IEC1000-4-2  
 IEC1000-4-3  
 IEC1000-4-4  
 IEC1000-4-5  
 IEC1000-4-6  
 IEC1000-4-7  
 IEC1000-4-8  
 IEC1000-4-9  
 IEC1000-4-10  
 IEC1000-4-11  
 IEC1000-4-12



## Information Technology Equipment, Including Electrical Business Equipment

Standard	Touch Current	Electric Strength	Creepage Distance
IEC/EN/UL/CSA 60950-1	Handheld=0.75mA Movable = 3.5 mA Stationary = 3.5 mA	Input to Ground=1500Vac(4) Input to Output = 3000 V ac (3,4)	Input to Ground=2.5mm(5) Input to Output = 6.4 mm (3,5)

### NOTES

1. For measured voltages up to 250 V rms or dc.
2. For measured voltages up to 250 V rms or 300 V dc.
3. For SELV outputs.
4. For measured voltages up to 354 Vpk or dc.
5. For measured voltages up to 300 V rms or dc and based on Pollution Degree 2, Material Group III.
6. For single fault condition, maximum = 1 mA.

### HIPOT TESTING

All Condor power supplies receive a hipot test to the following limits:

Test Location	Test Voltage
Input to Ground	1800 Vac or 2500 Vdc
Input to Output	1800 Vac or 2500 Vdc
Output to Ground	500 Vdc

Note: Hipot tests can be a destructive test; especially when very high voltages are used. A catastrophic failure of the unit may result if a test voltage greater than 1800 Vac is applied between input and output circuits. The components providing the isolation from input to output cannot be tested while installed in the power supply without risk of damage to the unit. All components providing input to output isolation are tested using a minimum of 5000 V ac.

