



# ELECTROMAGNETIC IMMUNITY

## MANUFACTURERS' GUIDE & DECLARATIONS

<p>The INSIDE Endoscope can be used in the electromagnetic ambient specified below.          The consumer or user of the INSIDE Endoscope must make sure that the appliance is used in such an environment</p>		
Emission Test	Compliance	Guide to the Electromagnetic Environment
Electrostatic Discharges (ESD) IEC/EN61000-4-2	$\pm 6k V$ by contact $\pm 8k V$ in the air	The floors must be in wood, cement or ceramic. If the floors are covered with synthetic materials, relative humidity must be 30% at the most.
Rapid / Burst Transients IEC/EN61000-4-4	$\pm 2k V$ power supply	The power supply should be typical of a commercial environment or hospital.
Surge IEC/EN61000-4-5	$\pm 1k V$ differential mode	The power supply should be typical of a commercial environment or hospital.
Voltage gaps, short interruptions and voltage variations IEC/EN61000-4-11	Not Applicable	The power supply should be typical of a commercial environment or hospital. If the user of the INSIDE Endoscope requires it to operate continuously, we advise using the device connected to a UPS. No direct connection to the mains power supply. They must be verified in the final application.
Magnetic Field IEC/EN61000-4-8	3A/m	The magnetic field should be typical of a commercial environment or hospital.
Conducted Immunities IEC/EN61000-4-6	3Vrms 150kHz to 80MHz (for non life supporting appliances)	--
Radiated Immunities IEC/61000-4-3	3V/m 80MHz to 2.5GHz (for non life equipment appliances)	--
<p><i>Note <math>U_T</math> is the value of the power supply voltage</i></p>		
Radiated Emissions CISPR11	Group 1	The INSIDE Endoscope makes use of RF Energy only for its internal function. Therefore, its RF emissions are very low and do not cause any interference close to any electronic appliances.
Conducted Emissions CISPR11	Class [B]	<p>The INSIDE Endoscope is suitable for use in dentists' surgeries and in places directly connected to the electrical mains which supply power to such places. Conducted emissions, harmonics and fluctuations are not applicable. No direct connection to the electrical mains supply. They must be verified in the final application.</p>
Harmonics IEC/EN61000-3-2	Not Applicable	
Voltage fluctuations / flicker IEC/EN6100-3-3	Not Applicable	

