

OLYMPUS

Test Protocol Electrical Safety Test of Endoscopes

Repair Number: 2007/1694		Location: HH	
Customer Number: 00098892 Customer: FN Olomouc		Service Organisation: Olympus Brno National	
Serial Number: 2011061		Model: GIF-2T20	
Testing Person: Kamy		Date of Test: 9.4.2008	
Income Inspection: []		Outgoing Inspection: [X]	
Measurement Function	Meas. Value	Limit Value	Result
Pressure	2,3 mbar	< 3 mbar	PASSED
C _X Water	2,6 nF	< 9,200 nF	PASSED
R _{INS} Water	3,6 MOhm	> 1 MOhm	LOW
R _{INS} Cable red	> 30,0 MOhm	> 10 MOhm	PASSED
R _{INS} Cable grey	> 30,0 MOhm	> 10 MOhm	PASSED
R _{INS} Cable blue	> 30,0 MOhm	> 10 MOhm	PASSED
R _{INS} Cable orange	> 30,0 MOhm	> 10 MOhm	PASSED
R _{INS} Cable violett	> 30,0 MOhm	> 10 MOhm	PASSED
R _{INS} Cable white	> 30,0 MOhm	> 10 MOhm	PASSED
R _{LO} Cable red	< 4,9 Ohm	< 4,9 Ohm	PASSED
R _{LO} Cable grey	< 4,9 Ohm	< 4,9 Ohm	PASSED
R _{LO} Cable blue	< 4,9 Ohm	< 4,9 Ohm	PASSED
R _{LO} Cable orange	< 4,9 Ohm	< 4,9 Ohm	PASSED
R _{LO} Cable violett	< 4,9 Ohm	< 4,9 Ohm	PASSED
R _{LO} Cable white	< 4,9 Ohm	< 4,9 Ohm	PASSED
R _{INS} Ocular	> 30,0 MOhm	> 10 MOhm	PASSED
Z _{SCOPE}	15,8 Ohm	< 45 Ohm	PASSED
Result			PASSED
Remark to the test: "LOW" Insulation Resistance is in the lower range of the product standard! For HF applications ensure an adequate and reliable connection according to manufacturer+s advice. The HF output monitoring is mandatory and the output power shall not exceed the recommended limit for flexible endoscope applications.			
	MPE Tester	LSM Tester	
Manufacturer	GOSEN-METRAWATT	Gigahertz Optik	
Serial Number	1234	0	
ID Number	12345		
Firmware Version	Endotest MPE V1.09		
PC-Software Version:	2.0.53		
- This is an automated document , and therefore valid without being signed -			
Location: HH		Date: 09.04.2008	

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