OLYMPUS

# Test Protocol
## Electrical Safety Test of Endoscopes

| | |
|---|---|
| **Repair Number:** 2007/1689 | **Location:** HH |
| **Customer Number:**<br>00098892<br>**Customer:**<br>FN Olomouc | **Service Organisation:**<br>Olympus Brno<br>National |
| **Serial Number:** 2501668 | **Model:** GIF-Q180 |
| **Testing Person:** Karny | **Date of Test:** 9.4.2008 |
| **Income Inspection:** [ ] | **Outgoing Inspection:** [ X ] |

| **Measurement Function** | **Meas. Value** | **Limit Value** | **Result** |
|---|---|---|---|
| Pressure | 2,4 mbar | < 3 mbar | PASSED |
| $C_X$ Water | 2,6 nF | < 6,555 nF | PASSED |
| $R_{INS}$ Water | 9,8 MOhm | > 1 MOhm | PASSED |
| $Z_{SCOPE}$ | 11,9 Ohm | < 45 Ohm | PASSED |

**Result** PASSED

**Remark to the test:**
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** | GOSSEN-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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