Stirrer for reverberation chamber - Model L

**Technical specifications**

**Stirrer (see figure 1)**
- Radius during rotation: approx. 1980 mm
- Length: approx. 4100 mm
- Edge length: approx. 1400 mm

**Stirrer mounted in vertical position (see figure 2)**
- Max. length (motor+stirrer+counter bearing): approx. 5500 mm
- Min. length (motor+stirrer+counter bearing): approx. 4800 mm
- Position of the motor: mounted on chamber ceiling
- Other dimensions on request.

**Stirrer mounted in horizontal position on request**

**Motor**
- Stepping motor for high-precision angle setting
- For tuned and stirred mode
- Specified up to minimum 600 V/m continuous field strength
- Motor installed within the chamber (no influences on screening effectiveness of the room by stirrer motor shaft feed through)
- Positioning accuracy: +/-0.5°
- Angle resolution better: 0.1°
- Min. speed: 0.5 turn/minute
- Max. speed: 6 turns/minute
- Dimension (L x W x H in mm): 350 x 272 x 250

**Filter**
- Typical attenuation 100 MHz to 1 GHz: >100 dB
- Typical attenuation 1 GHz to 10 GHz: >100 dB
- Typical attenuation 10 GHz to 18 GHz: >80 dB
- Dimension (L x W x H in mm): 210 x 130 x 53
- Feed through: Ø 21 mm

**Motor control unit (mounted outside the chamber)**
- Cable length between motor and control unit: max. 10 m
- Dimension (L x W x H in mm): 300 x 300 x 205
- Supply: 110 to 230 V, 50 or 60 Hz
- Power switch: hardware switch
- Communication interface to USD 4013: opt. RS232
- Connection: 2x HFBR0501 socket for 1 mm fiber optic cable
- Distance: 10 m (>10 m on request)
**Stirrer L**

**STIRRER FOR REVERBERATION CHAMBERS MODEL L**

**Environment conditions**

<table>
<thead>
<tr>
<th>Classification</th>
<th>Indoor use only</th>
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</thead>
<tbody>
<tr>
<td>Operating temperature</td>
<td>+5 °C to +40 °C</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>up to 80% (no moisture condensation)</td>
</tr>
</tbody>
</table>

**System overview**

- Mains
- Motor control unit SML
- Filter
- Motor
- Optical
- Software
- USB
- USO 4013

**Model No. and options**

<table>
<thead>
<tr>
<th>253352</th>
<th>RC Stirrer L</th>
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<tbody>
<tr>
<td>Stirrer size L, remote controlled, incl. gear motor for step-wise and continuous rotation, positioning accuracy +/- 0.5°, smallest step 0.1°; motor installed inside chamber, the motor is installed inside the chamber, specified up to 600 V/m, incl. EMC filter, cables and stirrer control unit with remote interface and driver for C5I software</td>
<td></td>
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