

Stirrer M STIRRER FOR REVERBERATION CHAMBERS MODEL M

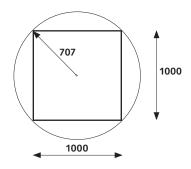


Figure 1

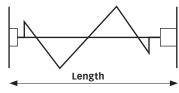


Figure 2

Technical specifications

Stirrer (see figure 1)	
Radius during rotation:	approx. 707 mm
Length:	approx. 2610 mm
Edge length:	approx. 1000 mm
Stirrer mounted in vertical position (see figure 2)	
Max. length (motor+stirrer+counter bearing):	approx. 3500 mm
Min. length (motor+stirrer+counter bearing):	approx. 3000 mm
Position of the motor:	mounted on chamber ceiling
Other dimensions on request.	
Stirrer mounted in horizontal position (see figure	
Max. length (motor+stirrer+counter bearing):	approx. 3500 mm
Min. length (motor+stirrer+counter bearing):	approx. 3250 mm
Position of the motor:	mounted on chamber wall
Other dimensions on request.	
Matau	
Motor Ctopping motor for high precision angle setting	<i>a</i>
Stepping motor for high-precision angle setting	8
For tuned and stirred mode	field attack atta
Specified up to minimum 600 V/m continuous	
Motor inctalled within the chamber (no influen	
Motor installed within the chamber (no influence tirror motor chaft food through)	nces on screening effectiveness of the room by
stirrer motor shaft feed through)	
stirrer motor shaft feed through) Positioning accuracy:	+/-0.5°
stirrer motor shaft feed through) Positioning accuracy: Angle resolution better:	+/-0.5° 0.1°
stirrer motor shaft feed through) Positioning accuracy: Angle resolution better: Min. speed:	+/-0.5° 0.1° 0.5 turn/minute
stirrer motor shaft feed through) Positioning accuracy: Angle resolution better: Min. speed: Max. speed:	+/-0.5° 0.1° 0.5 turn/minute 6 turns/minute
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stirrer motor shaft feed through) Positioning accuracy: Angle resolution better: Min. speed: Max. speed: Dimension (L x W x H in mm): Filter Typical attenuation 100 MHz to 1 GHz:	+/-0.5° 0.1° 0.5 turn/minute 6 turns/minute 350 x 272 x 250
stirrer motor shaft feed through) Positioning accuracy: Angle resolution better: Min. speed: Max. speed: Dimension (L x W x H in mm): Filter Typical attenuation 100 MHz to 1 GHz: Typical attenuation 1 GHz to 10 GHz:	+/-0.5° 0.1° 0.5 turn/minute 6 turns/minute 350 x 272 x 250
stirrer motor shaft feed through) Positioning accuracy: Angle resolution better: Min. speed: Max. speed: Dimension (L x W x H in mm): Filter Typical attenuation 100 MHz to 1 GHz: Typical attenuation 1 GHz to 10 GHz: Typical attenuation 10 GHz to 18 GHz:	+/-0.5° 0.1° 0.5 turn/minute 6 turns/minute 350 x 272 x 250 >100 dB >100 dB >80 dB
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stirrer motor shaft feed through) Positioning accuracy: Angle resolution better: Min. speed: Max. speed: Dimension (L x W x H in mm): Filter Typical attenuation 100 MHz to 1 GHz: Typical attenuation 1 GHz to 10 GHz: Typical attenuation 10 GHz to 18 GHz: Dimension (L x W x H in mm): Feed through:	+/-0.5° 0.1° 0.5 turn/minute 6 turns/minute 350 x 272 x 250 >100 dB >100 dB >80 dB 210 x 130 x 53 Ø 21 mm
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Technical specifications (continued)

Power switch: hardware switch

Communication interface to USO 4013: opt. RS232

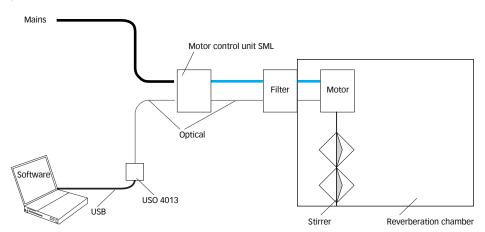
Connection: 2x HFBR0501 socket for 1 mm fiber optic cable

Distance: 10 m (>10 m on request)

Environment conditions

Classification:	Indoor use only
Operating temperature:	+5 °C to +40 °C
Relative humidity:	up to 80% (no moisture condensation)

System overview



Model No. and options

253351 RC Stirrer M

Stirrer size M, 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

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