

## TECHNICAL PARAMETERS Vibration exciter S 52110

Rated peak force Sine <sub>pk</sub> /Random <sub>RMS</sub> <sup>1</sup>	100/50 N
Frequency range	2 - 7000 Hz
Main resonance frequency	>5700 Hz
Max. displacement Peak-Peak <sup>2</sup>	15 mm
Max. velocity	1.5 m/s
Max. acceleration Sine/Random	50/25 g
Suspension stiffness	5 N/mm
Effective moving mass	0.25 kg
Total mass	36 kg
Armature diameter	60 mm

1) Random force according to ISO 5344:2004

2) Payload has an impact on the possible maximum displacement



## SCOPE OF DELIVERY, OPTIONS AND FEATURES OF THE SYSTEM

**Scope of delivery:**  
Vibration exciter 100 N  
Trunnion mount  
Power amplifier 200 VA  
Connection cable (3 m)  
Power cable (1.5 m)  
for amplifier (CEE 7/7 connector)

**Options:**  
Cable extension  
Modal adapter M6  
Stinger (see Modal brochure for details)  
Factory acceptance test

**Features:**  
Vibration isolation  
High cross-axial stiffness  
Minimum maintenance effort  
Made in Germany  
Service hotline

## TECHNICAL PARAMETERS Power Amplifier DA 200

Output power <sub>RMS</sub>	200 VA
Frequency range	1.5 - 22000 Hz
Voltage-/Current mode	yes/no
Voltage <sub>RMS</sub> <sup>1</sup> max.	30 V
Current <sub>RMS</sub> <sup>1</sup> max.	10 A
Signal input voltage <sub>RMS</sub>	7 V
Distortion	< 0,1 %
Signal to noise ratio	> 90 dB
Total mass	3.5 kg
Dimensions (WxHxD)	390 x 80 x 260 mm
Power supply (Standard)	1~ / N / PE 100...264 V 50..60 Hz CEE 7/7
Recommended fuse protection (Standard)	10 A slow
Max. power consumption at 230 V	75 VA (operation with S 52110)
Interlocks:	Overload, Temperature, Clipping

**Features:**  
High Signal to noise ratio of >90 dB  
Low distortion factor of < 0.1 %  
Safety management system monitors functions as temperature, overcurrent and overvoltage



S 52110 (Example drawing) (mm)

