

Calibration Vibration Test System TV 51110-C

TECHNICAL PARAMETERS Vibration exciter S 51110-C

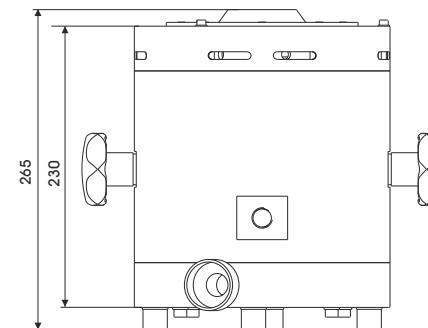
Rated peak force $S_{pk}/Random_{RMS}^1$	100/50 N
Frequency range	10 - 25000 Hz
Main resonance frequency	>25000 Hz
Max. displacement Peak-Peak ²	4 mm
Max. velocity	1.2 m/s
Max. acceleration Sine/Random	25/12 g
Effective moving mass	0.40 kg
Total mass	33 kg
Armature diameter	54 mm

1) Random force according to ISO 5344:2004

2) Payload has an impact on the possible maximum displacement



S 51110-C (Example drawing) (mm)



SCOPE OF DELIVERY, OPTIONS AND FEATURES OF THE SYSTEM

Scope of delivery:

Vibration exciter
Power amplifier
Connection cable (5 m)
Power cable (1.5 m)
for amplifier (CEE 7/7 connector)

Options:

Trunnion mount
Cable extension
Factory acceptance test

Features:

Vibration isolation
High cross-axial stiffness
Vibration system made of ceramic material
Minimum maintenance effort
Made in Germany
Service hotline

TECHNICAL PARAMETERS Power Amplifier BDA 120

Continuous sine output power, max.	120 VA
Frequency range (small signal / full power)	DC - 100 kHz / 40 Hz - 20 kHz
Voltage-/Current mode	yes/no
Voltage _{RMS} , max.	22 V
Current _{RMS} , max.	5.5 A
Signal input voltage _{pk} (at 1 kHz sine for max. power)	3.5 V
Distortion THD (frequency range 40 Hz to 20 kHz)	< 0.1 %
Signal to noise ratio	> 100 dB(A)
Total mass	2 kg
Dimensions (W x H x D)	240 x 48 x 226 mm
Power supply	1 ~ / N / PE 100..230 V ± 5% 50/60 Hz CEE 7/7

Recommended fuse protection
Max. power consumption
Interlocks:

16 A slow
180 VA
Overcurrent, Temperature

Features:

- High Signal to noise ratio of > 100 dB(A)
- Low Distortion factor (THD) of < 0.1 %

