

# Calibration Vibration Test System TV 51110-C

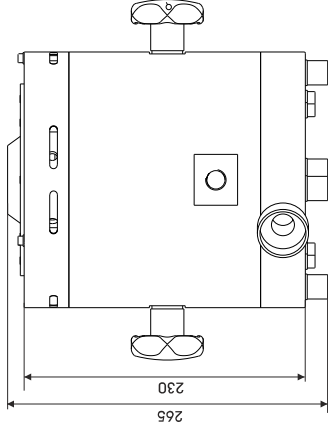
## TECHNICAL PARAMETERS Vibration exciter S 51110-C

Rated peak force  $Sine_{RMS}/Random_{RMS}$   
 Frequency range  
 Main resonance frequency  
 Max. displacement Peak-Peak  
 Max. velocity Sine/Random  
 Max. acceleration Sine/Random  
 Effective moving mass  
 Weight  
 Armature diameter

100/50 N  
 40-20000 Hz  
 > 25000 Hz  
 4 mm  
 1.2/1.2 m/s  
 25/12 g  
 0.40 kg  
 33 kg  
 54 mm



S 51110-C (Example drawing) (mm)



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

### Scope of delivery:

Vibration exciter 100 N  
 Power amplifier 120 VA  
 Connection cable (3 m)  
 Power cable (1.5 m)  
 for amplifier (CEE 7/7 connector)

### Options:

Swivel frame  
 Rack for mounting the amplifier  
 Cable extension  
 Factory acceptance test

### Features:

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

## TECHNICAL PARAMETERS Power Amplifier BAA 120

Output power<sub>RMS</sub>  
 Frequency range  
 Voltage-Current mode  
 Voltage<sub>RMS</sub> max.  
 Current<sub>RMS</sub> max.  
 Load resistance, opt.  
 Signal input voltage<sub>RMS</sub>  
 Distortion  
 Signal to noise ratio  
 Weight  
 Dimensions (WxHxD)  
 Power supply (Standard)

120 VA  
 DC - 20 kHz  
 yes/yes  
 22 V  
 5.5 A  
 4 Ohm  
 < 5 V  
 < 0.1 %  
 > 90 dB  
 16 kg  
 483 x 90 x 450 mm  
 1 ~ / N / PE 230 V ± 5% 50 Hz  
 CEE 7/7  
 1.6 A slow  
 0.08 kVA  
 Overload, Temperature, Clipping

### Recommended fuse protection (Standard)

Max. power consumption at 230 V  
 Interlocks:

### Features:

High Signal to noise ratio of > 90 dB

