

## Vibration Test System TV 50018

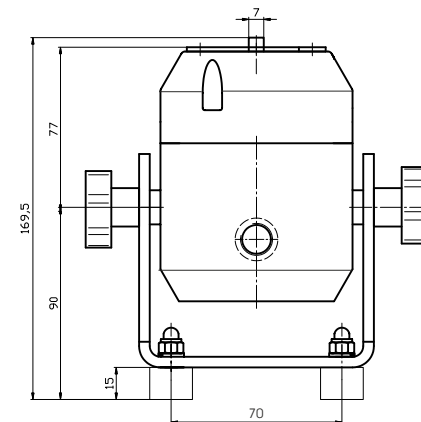
### TECHNICAL PARAMETERS Vibration exciter S 50018

Rated peak force $Sine_{pk}$	18 N
Frequency range	2-20000 Hz
Main resonance frequency	> 13000 Hz
Max. displacement Peak-Peak <sup>1</sup>	5 mm <sup>1</sup>
Max. velocity $Sine$	1.5 m/s
Max. acceleration $Sine$	65 g
Suspension stiffness	4.4 N/mm
Effective moving mass	0.028 kg
Total mass without/with trunnion	3.7 kg / 5.0 kg
Armature coupling thread size	M4

1) Specimen mass has an impact on the possible maximum displacement



S 50018 (Example drawing) (mm)



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

**Scope of delivery:**

Vibration exciter 18 N  
Power amplifier 200 VA  
Connection cable (3 m(9.8 ft))  
Power cable (1.5 m(4.9 ft))  
for amplifier (CEE 7/7 connector)

**Options:**

Trunnion mount (see right picture above)  
Cable extension  
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 $RMS$	200 VA
Frequency range	1.5 - 22000 Hz
Voltage-/Current mode	yes/no
Voltage $RMS$ , max.	30 V
Current $RMS$ , max.	10 A
Signal input voltage $RMS$	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	50 VA (operation with S 50018)
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

