

# Vibration Test System TV 50018

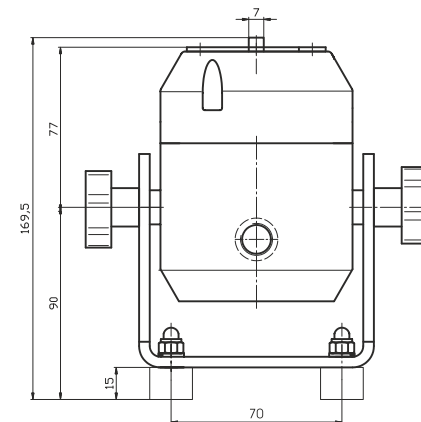
## TECHNICAL PARAMETERS Vibration exciter S 50018

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	7 mm / 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 60 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 BAA 120 (limited for S 50018)

Output power $RMS$	60 VA
Frequency range	DC - 20 kHz
Voltage-/Current mode	yes/yes
Voltage $RMS$ , max.	16 V
Current $RMS$ , max.	3.8 A
Signal input voltage $RMS$	< 5 V
Distortion	< 0.05 %
Signal to noise ratio	> 100 dB
Total mass	9 kg
Dimensions (WxHxD)	440 x 90 x 290 mm
Power supply (Standard)	1 ~ / N / PE 230 V ±5% 50/60 Hz CEE 7/7
Recommended fuse protection (Standard)	16 A slow
Max. power consumption at 230 V	0.05 kVA
Interlocks:	Overload, Temperature, Clipping

### Features:

High Signal to noise ratio of > 100 dB

Option for power supply of 100 V or 120 V ±5% 50/60 Hz

