

PROFESSIONAL SERIES

PS-240



400kg
PAYLOAD (2DOF)

2DOF
ARCHITECTURE

30Hz
REAL TIME VIBRATION UP TO







40mm
ACTUATOR STROKE

SET OF LINEAR ACTUATORS PS-240

The PS-240 is a motion solution based on the linear actuator's technology. The PS-240 motion set includes two linear actuators and the control unit.

The motion system is dedicated to projects where it is necessary to reproduce real time vibrations, such as helicopter flight simulation or in the professional entertainment applications, for example haptic floors in VR centers.

KEY FEATURES

 <p>Real time vibration Based on patent pending linear actuators technology</p>	 <p>Compact Design Small footprint and lightweight body</p>	 <p>Modular and reconfigurable Quick integration with external actuators set from 2 to 3 DOF</p>
 <p>Plug&Play Ready to work in few minutes</p>	 <p>Software support Control all our motion platforms using one of ours SDK</p>	 <p>VR technology Full and native hardware and software integration with the VR headset</p>

GENERAL SPECIFICATION **PS-240**

SYSTEM PERFORMANCE

	VELOCITY	ACCELERATION
HEAVE	125 mm/s 4.92 in/s	1500 mm/s ²
ROLL	DEPENDS ON TYPE OF FRAME	DEPENDS ON TYPE OF FRAME
PITCH	DEPENDS ON TYPE OF FRAME	DEPENDS ON TYPE OF FRAME

*value of acceleration is limited for safety reasons.

PAYLOAD SPECIFICATION

PAYLOAD FOR 2 DOF CONFIGURATION	400 kg 849 lb
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MAIN DIMENSIONS

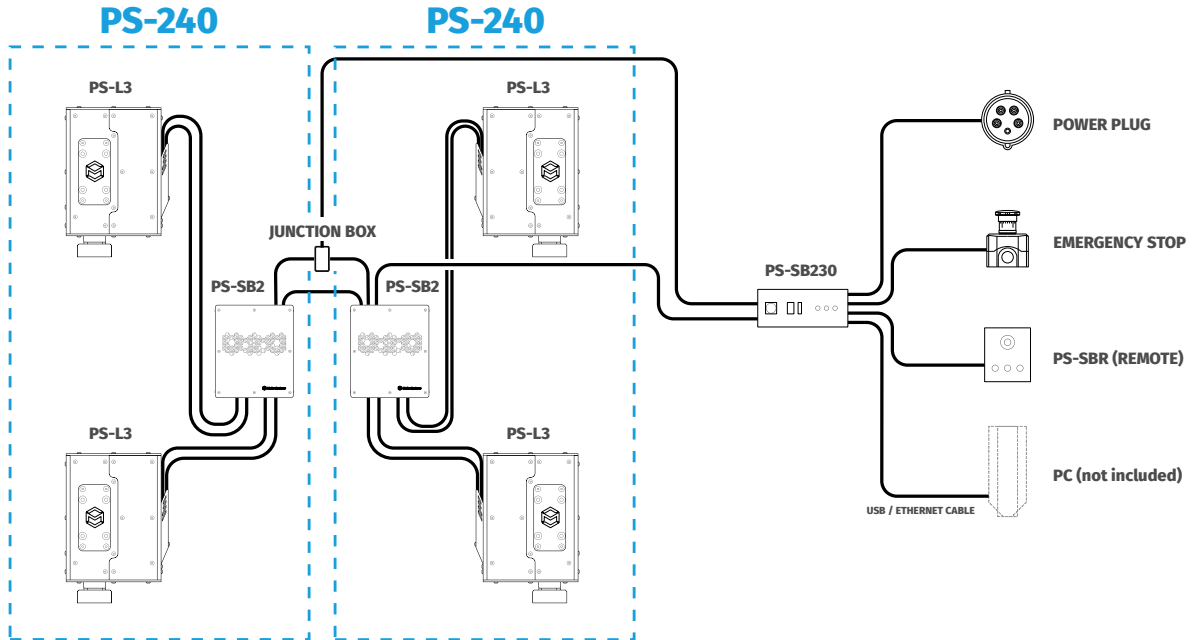
TOTAL WIDTH	121 mm 4.76 in
TOTAL LENGTH	248 mm 9.76 in
MIN HEIGHT	345.83 mm 13.62 in

POWER REQUIREMENTS

	2 ACTUATORS	4 ACTUATORS
AVERAGE POWER	0.5 kVA	1 kVA
PEAK POWER	1.1 kVA	2.2 kVA
PEAK CURRENT	5 A	10 A
AVERAGE POWER (STRESS TEST)	0.25 kW	0.5 kW
AVERAGE POWER (TYPICAL GAME)	0.1 kW	0.2 kW

APPLICATION NOTE

The PS-240 consists of two linear actuators with a very high payload 400 kg for single actuator and the compact control unit. This motion system can be easily extended to 3DOF configuration. The new generation of electrical cabinet is equipped with proprietary design electronics and software. Design of cabinets allows users to achieve security measures CL class up to SIL (Safety Integrity Level) 3 if required.



ADD-ONS & ACCESSORIES

Power Cabinet PS-SB230

OUR SOFTWARE

Platform Manager - ForceSeatPM (free-of-charge), Motion SDK - ForceSeatDI, Motions SDK - ForceSeatMI, Motion Theater

GENERAL DIMENSIONS

