

PS-3TM-350v3

Technical Data

Mechanical specification

- Architecture: 3 Degrees of Freedom
- Actuation: Fully Electric
- Nominal Width (lowest position): 1317 mm
- Nominal Length (lowest position): 1149 mm
- Nominal Height (lowest position without wheels): 534 mm
- Approx Unit weight: 305 kg
- Anchoring Specification: Not required for small simulator floor footprints otherwise anchoring are required (points are specified in the blueprints)

Performance specification

- Payload Mass limit: 350 kg
- Payload moment of inertia: 250 kg * m²
- Payload CG horizontal offset: Less than 50mm from Centroid of Flying Platform
- Payload CG Vertical offset: Less than 300mm high from top of Flying Platform
- Payload Max Floor Size: 1500 mm x 1500 mm

Motion specification

- Indep. Heave (disp. / vel. / accel.): ± 131 mm, 263 mm/s, 0.5G
- Indep. Pitch (disp. / vel. / accel.): $(-21,5^{\circ}; +24,7^{\circ})$, 60°/s, 250°/s²
- Indep. Roll (disp. / vel. / accel.): $\pm 19,5^{\circ}$, 50°/s, 250°/s²

Electrical specification

- Power Supply Requirements: 200(-10%) - 250(+10%) VAC Single Phase 47-63 Hz
- Max. Power Consumption: 8 Amps (Max/Peak power consumption 1,5 kW)
- Connection type: USB 2.0 / Ethernet (CAT.6)