


FACTS

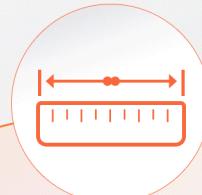
- ▶ 2 degrees of freedom
- ▶ 10 Hz Frequency in both axes
- ▶ 0.05° accuracy
- ▶ 150 kg payload
- ▶ 300 mm Actuator stroke
- ▶ IP Class 66: Water, dust and salt resistant


APPLICATIONS

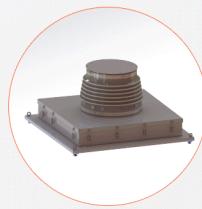
- ▶ IMU integrated stabilization
- ▶ Roll and Pitch motion realization
- ▶ Prototype tests
- ▶ Real-time data logging
- ▶ Component validation
- ▶ Vibration isolation


COMPATIBLE WITH

- ▶ Camera tracking systems
- ▶ Gimbal Systems
- ▶ Radar systems
- ▶ Rotator systems

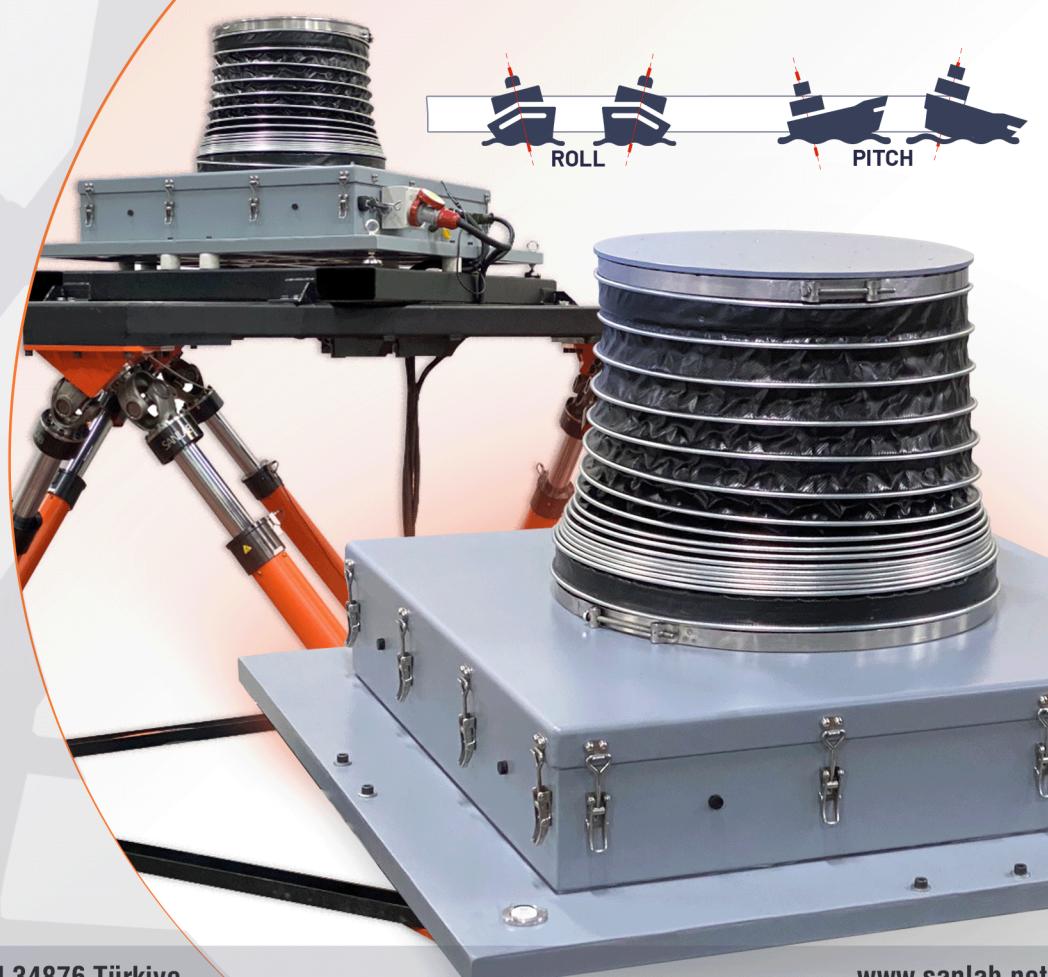

DIMENSIONS

L 1.3 X_w 1.3 X_h 0.9 m


PRODUCT LINE

STABILIZER150

STABILIZER300





TECHNICAL SPECIFICATIONS

Performance Specifications

- Gross Moving Load up to **150 kg**
- Actuator Stroke **300 mm**
- Center of Gravity Above **0.5 m (Max)** Top Platform
- Mass **208 kg**
- Footprint **1.3x1.3x0.9 m**

Excursion

- | | | | | | |
|---------|----------------|--|-------------------------|--|----------------------------|
| ► Roll | $\pm 30^\circ$ | | $\pm 50^\circ/\text{s}$ | | $\pm 280^\circ/\text{s}^2$ |
| ► Pitch | $\pm 30^\circ$ | | $\pm 30^\circ/\text{s}$ | | $\pm 280^\circ/\text{s}^2$ |

Velocity

- | | | |
|-------------------------|--|----------------------------|
| $\pm 50^\circ/\text{s}$ | | $\pm 280^\circ/\text{s}^2$ |
| $\pm 30^\circ/\text{s}$ | | $\pm 280^\circ/\text{s}^2$ |

Acceleration

Moment of Inertia About

- Surge **300 kg.m²**
- Sway **300 kg.m²**
- Heave **300 kg.m²**

Operation Temperature -20 ... +50

Storage Temperature -40 ... +60

Power Supply 400VAC ±10%, 3ph , 50/60Hz



HARDWARE COMPONENTS

- User friendly interface control (GUI)
- Hardware real-time control
- UDP based PC communication
- Joystick control in all axis
- Passive and active limitations

► Joystick Control



SOFTWARE CAPABILITY

- Stabilization control algorithm
- Disturbance rejection motion control
- IMU signal recording
- Real-time monitoring of system variables



USER FRIENDLY GUI

