



COMPATIBLE WITH

- ▶ Remote control weapon systems
- ▶ Camera tracking systems
- ▶ Gimbal systems
- ▶ Radar systems
- ▶ Rotator systems
- ▶ Turret systems
- ▶ Vehicle cabin/body systems
- ▶ Aircraft cabin systems



FACTS

- ▶ 6 degrees of freedom
- ▶ 6 electro-mechanical actuators
- ▶ 1.000 kg total payload
- ▶ 300 mm actuator stroke



APPLICATIONS

- ▶ Turret & RCW test
- ▶ Component validation
- ▶ Signal replication
- ▶ Signal generation
- ▶ Real time simulation table
- ▶ Field data system testing simulator

3D CONNECTION CONTROLLER
OPTIONAL



SMOTION PRODUCT LINE

SMOTION50

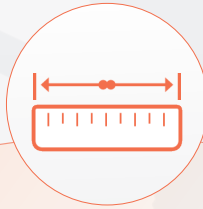
SMOTION100

SMOTION200

SMOTION500

SMOTION800

SMOTION1000



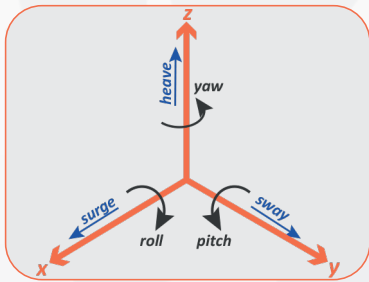
DIMENSIONS

L1.6Xw1.4XH1.2 m





TECHNICAL SPECIFICATIONS



HARDWARE COMPONENTS

- ▶ User friendly interface control (GUI)
- ▶ Hardware real-time control
- ▶ UDP based PC communication
- ▶ IMU integrated measurement system
- ▶ Passive and active limitations

Performance Specifications

- ▶ Gross Moving Load up to **1.000 kg**
- ▶ Actuator Stroke **300 mm**
- ▶ Center of Gravity Above Top Platform **0.50 m (Max)**
- ▶ Settled Height **0.80 m**
- ▶ Neutral Height **1.10 m**

Moment of Inertia About

- ▶ Moment of Inertia About X axis **450 kg.m²**
- ▶ Moment of Inertia About Y axis **450 kg.m²**
- ▶ Moment of Inertia About Z axis **450 kg.m²**

Power Supply

- ▶ **380VAC ±10%, 3ph , 50/60Hz**

Velocity Acceleration

	Velocity	Acceleration
▶ Surge	± 0.56 m/s	± 6 m/s ²
▶ Sway	± 0.56 m/s	± 6 m/s ²
▶ Heave	± 0.51 m/s	± 7 m/s ²
▶ Roll	± 48 ⁰ /s	± 300 ⁰ /s ²
▶ Pitch	± 48 ⁰ /s	± 300 ⁰ /s ²
▶ Yaw	± 55 ⁰ /s	± 400 ⁰ /s ²

Excursion Single Axis Multi Axis

	Single Axis	Multi Axis
▶ Surge	-0.27 m 0.28 m	-0.40 m 0.37 m
▶ Sway	-0.25 m 0.25 m	-0.40 m 0.40 m
▶ Heave	-0.17 m 0.16 m	-0.17 m 0.16 m
▶ Roll	-22.40 ⁰ 22.40 ⁰	-30.20 ⁰ 30.20 ⁰
▶ Pitch	-22.30 ⁰ 23.40 ⁰	-32.20 ⁰ 32.20 ⁰
▶ Yaw	-33.50 ⁰ 33.50 ⁰	-43.00 ⁰ 43.00 ⁰



SIMPLE, SAFE AND ERGONOMIC SOFTWARE

- ▶ Signal generations
- ▶ Field data signal replication
- ▶ Real time signal visualization
- ▶ Signal recording and processing



USER FRIENDLY GUI

