SANLAB
"Your Motion Partner"

SMotion2500

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
- 2.500 kg total payload
- 600 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

DIMENSIONS

L2.9 X W3.0 X H2.1 m

SMOTION PRODUCT LINE

- SMOTION1500
- SMOTION1800
- **SMOTION2500**
- SMOTION3000
- SMOTION3500
- SMOTION4000

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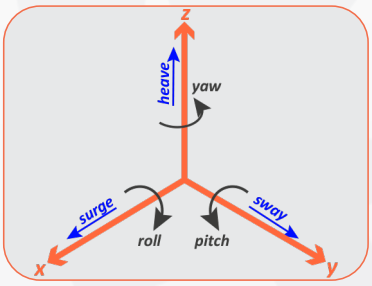
TECHNICAL SPECIFICATIONS



Performance Specifications

Gross Moving Load up to	**2.500** kg
Actuator Stroke	**600** mm
Center of Gravity Above Top Platform	**1.00** m (Max)
Settled Height	**1.28** m
Neutral Height	**1.70** m

Moment of Inertia About

Moment of Inertia About X axis	**5.000** kg.m²
Moment of Inertia About Y axis	**5.000** kg.m²
Moment of Inertia About Z axis	**5.000** kg.m²

Power Supply

380VAC ±**10**%, **3**ph , **50/60**Hz

	Velocity	Acceleration
Surge	± **0.80** m/s	± **7** m/s²
Sway	± **0.80** m/s	± **7** m/s²
Heave	± **0.70** m/s	± **9** m/s²
Roll	± **50**⁰/s	± **220**⁰/s²
Pitch	± **50**⁰/s	± **220**⁰/s²
Yaw	± **55**⁰/s	± **330**⁰/s²

Excursion	Single Axis	Multi Axis
Surge	**-0.42** m – **0.53** m	**-0.58** m – **0.57** m
Sway	**-0.43** m – **0.43** m	**-0.62** m – **0.62** m
Heave	**-0.40** m – **0.35** m	**-0.40** m – **0.35** m
Roll	**-20.60**⁰ – **20.60**⁰	**-26.41**⁰ – **26.41**⁰
Pitch	**-20.20**⁰ – **21.20**⁰	**-29.70**⁰ – **26.01**⁰
Yaw	**-24.00**⁰ – **24.00**⁰	**-26.56**⁰ – **26.56**⁰

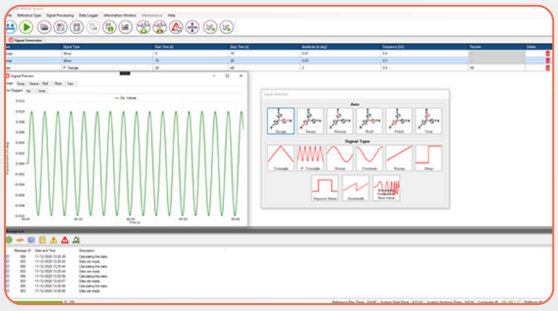
HARDWARE COMPONENTS

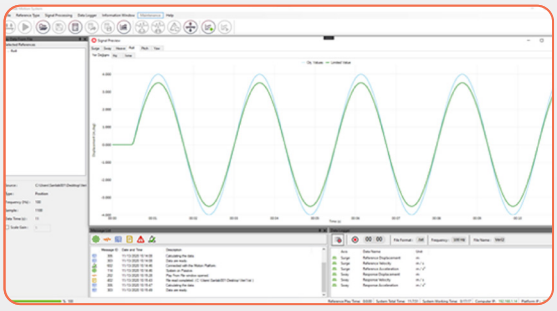
- User friendly interface control (GUI)
- Hardware real-time control
- UDP based PC communication
- IMU integrated measurement system
- Passive and active limitations

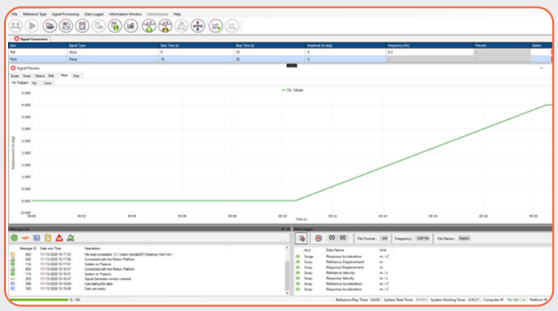
SIMPLE, SAFE AND ERGONOMIC SOFTWARE

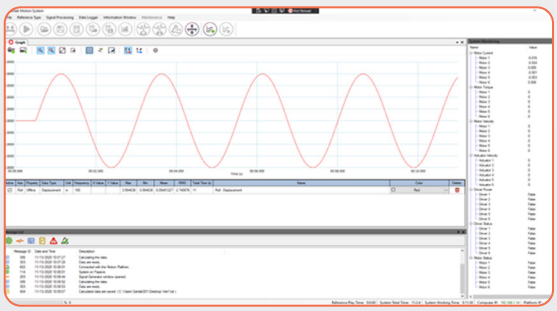
- Signal generations
- Field data signal replication
- Real time signal visualization
- Signal recording and processing

USER FRIENDLY GUI









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