SANLAB
"Your Motion Partner"

SMotion6000

COMPATIBLE WITH

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

FACTS

- 6 degrees of freedom
- 6 electro-mechanical actuators
- 6.000 kg total payload
- 1.020 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

L5.7 X W5.5 X H3.7 m

SMOTION PRODUCT LINE

- SMOTION4000
- **SMOTION6000**
- SMOTION8000
- SMOTION10000
- SMOTION12000
- SMOTION14000

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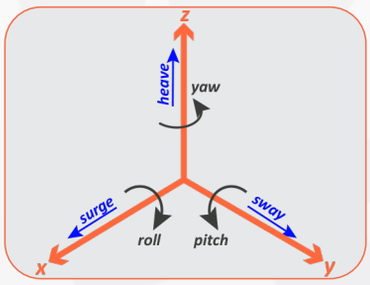
TECHNICAL SPECIFICATIONS



Performance Specifications

Gross Moving Load up to	**6.000** kg
Actuator Stroke	**1.020** mm
Center of Gravity Above Top Platform	**1.50** m (Max)
Settled Height	**2.30** m
Neutral Height	**3.06** m

Moment of Inertia About

Moment of Inertia About X axis	**20.000** kg.m²
Moment of Inertia About Y axis	**20.000** kg.m²
Moment of Inertia About Z axis	**20.000** kg.m²

Power Supply

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

	Velocity	Acceleration
Surge	± **0.75** m/s	± **7** m/s²
Sway	± **0.75** m/s	± **7** m/s²
Heave	± **0.63** m/s	± **9** m/s²
Roll	± **30**⁰/s	± **160**⁰/s²
Pitch	± **30**⁰/s	± **160**⁰/s²
Yaw	± **35**⁰/s	± **200**⁰/s²

Excursion	Single Axis	Multi Axis
Surge	**-0.81** m – **0.91** m	**-0.98** m – **0.97** m
Sway	**-0.78** m – **0.78** m	**-0.96** m – **0.96** m
Heave	**-0.67** m – **0.61** m	**-0.67** m – **0.61** m
Roll	**-21.60**⁰ – **21.60**⁰	**-26.50**⁰ – **26.50**⁰
Pitch	**-21.30**⁰ – **22.10**⁰	**-28.50**⁰ – **28.20**⁰
Yaw	**-26.30**⁰ – **26.30**⁰	**-29.20**⁰ – **29.20**⁰

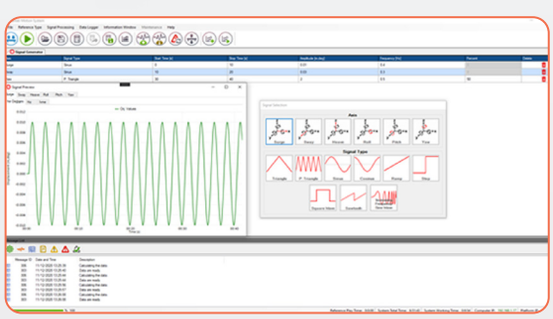
HARDWARE COMPONENTS

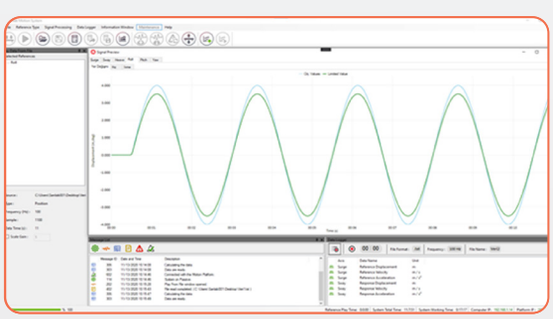
- User friendly interface control (GUI)
- Hardware real-time control
- UDP based PC communication
- IMU integrated measurement system
- Passive and active limitations

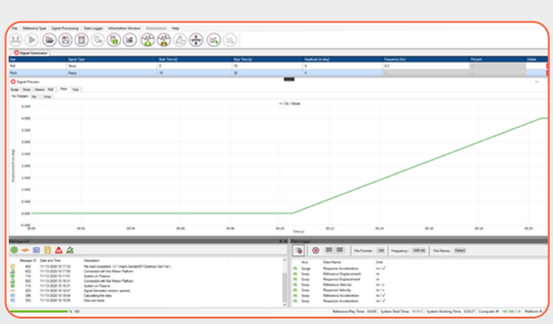
SIMPLE, SAFE AND ERGONOMIC SOFTWARE

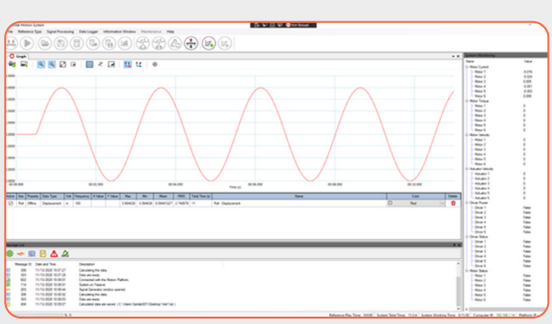
- Signal generations
- Field data signal replication
- Real time signal visualization
- Signal recording and processing

USER FRIENDLY GUI









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