SANLAB
"Your Motion Partner"

SMotion50-Outdoor

COMPATIBLE WITH

- Camera tracking systems
- Optic systems
- Antenna systems
- Radar systems
- Gimbal systems
- Rotator systems

FACTS

- 6 degrees of freedom
- 6 electro-mechanical actuators
- 50 kg total payload
- 200 mm actuator stroke
- IP class 66

APPLICATIONS

- Component validation
- Signal replication
- Signal generation
- Real time simulation table
- Field data system testing simulator

3D CONNECTION CONTROLLER
OPTIONAL

DIMENSIONS

$L1.1 \times W1.0 \times H0.7\ m$

SMOTION PRODUCT LINE

SMOTION50
SMOTION100
SMOTION200
SMOTION500
SMOTION800
SMOTION1000

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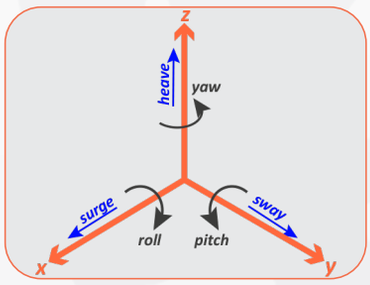
TECHNICAL SPECIFICATIONS



Performance Specifications

Gross Moving Load up to	**50** kg
Actuator Stroke	**200** mm
Center of Gravity Above Top Platform	**0.20** m (Max)
Settled Height	**0.44** m
Neutral Height	**0.58** m

Moment of Inertia About

Moment of Inertia About X axis	**23** kg.m²
Moment of Inertia About Y axis	**23** kg.m²
Moment of Inertia About Z axis	**23** kg.m²

Power Supply

- **380**VAC ±**10**%, **3**ph , **50**/**60**Hz
- ***Operation Temperature*** **-20⁰C, +50⁰C**
- ***Storage Temperature*** **-30⁰C, +60⁰C**

	Velocity	Acceleration
Surge	± **0.50** m/s	± **5** m/s²
Sway	± **0.50** m/s	± **5** m/s²
Heave	± **0.41** m/s	± **6** m/s²
Roll	± **50⁰**/s	± **400⁰**/s²
Pitch	± **50⁰**/s	± **400⁰**/s²
Yaw	± **53⁰**/s	± **500⁰**/s²

Excursion	Single Axis	Multi Axis
Surge	**-0.16** m – **0.18** m	**-0.21** m – **0.22** m
Sway	**-0.15** m – **0.15** m	**-0.22** m – **0.22** m
Heave	**-0.13** m – **0.12** m	**-0.13** m – **0.12** m
Roll	**-23.00⁰** – **23.00⁰**	**-28.30⁰** – **28.30⁰**
Pitch	**-22.50⁰** – **23.80⁰**	**-30.10⁰** – **30.90⁰**
Yaw	**-28.80⁰** – **28.80⁰**	**-32.10⁰** – **32.10⁰**

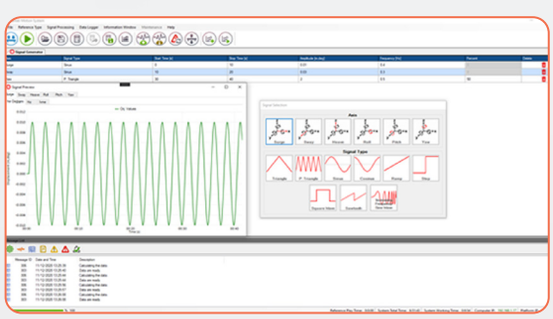
HARDWARE COMPONENTS

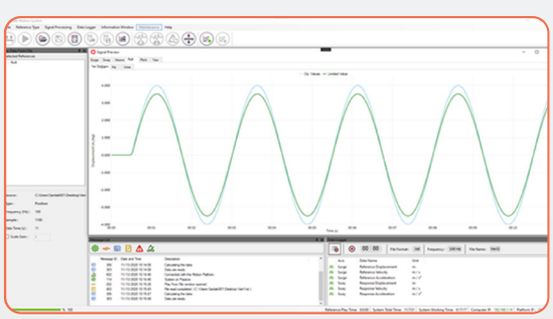
- User friendly interface control (GUI)
- Hardware real-time control
- UDP based PC communication
- IMU integrated measurement system
- Passive and active limitations

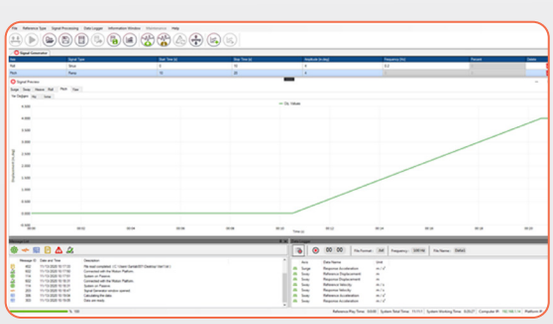
SIMPLE, SAFE AND ERGONOMIC SOFTWARE

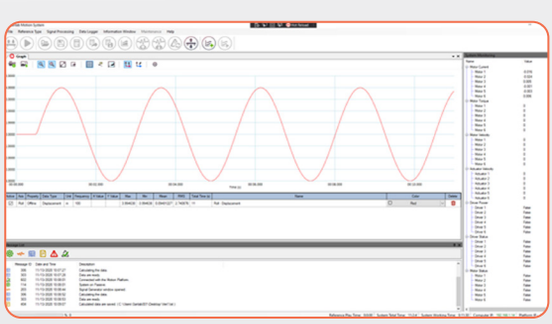
- Signal generations
- Field data signal replication
- Real time signal visualization
- Signal recording and processing

USER FRIENDLY GUI









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