SANLAB
"Your Motion Partner"

SMotion1000

COMPATIBLE WITH

- Flight simulator cockpits
- Tactical training modules
- Driving simulation seats
- Industrial control interfaces
- Train cab mock-ups
- Heavy equipment controls
- VR/AR tracking systems
- Motion cueing software

FACTS

- 3 degrees of freedom
- 3 electro-mechanical actuators
- 1.000 kg total payload

APPLICATIONS

- Flight Simulation
- Defense & Tactical Training
- Commercial Driving Training
- Industrial Machinery Simulation
- Rail & Transport Innovation
- R&D and Experimentation

3D CONNECTION CONTROLLER
OPTIONAL

DIMENSIONS

L1.8 X W1.5 X H1.0 m

SMOTION PRODUCT LINE

- SMOTION50
- SMOTION100
- SMOTION200
- SMOTION500
- SMOTION800
- **SMOTION1000**

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TECHNICAL SPECIFICATIONS

Performance Specifications

Gross Moving Load up to	**1.000** kg
Center of Gravity Above Top Platform	**0.60 m** (Max)
Settled Height	**0.65** m
Neutral Height	**0.82** m

Moment of Inertia About

Moment of Inertia About X axis	**420** kg.m²
Moment of Inertia About Y axis	**420** kg.m²
Moment of Inertia About Z axis	**420** kg.m²

	Velocity	Acceleration
Heave	± **0.51** m/s	± **4.5** m/s²
Roll	± **47**⁰/s	± **360**⁰/s²
Pitch	± **55**⁰/s	± **488**⁰/s²

Excursion	Single Axis	Multi Axis
Heave	**-0.16** m – **0.17** m	**-0.16** m – **0.17** m
Roll	**-19.00**⁰ – **19.00**⁰	**-19.00**⁰ – **19.00**⁰
Pitch	**-16.40**⁰ – **16.40**⁰	**-21.50**⁰ – **22.50**⁰

Power Supply

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

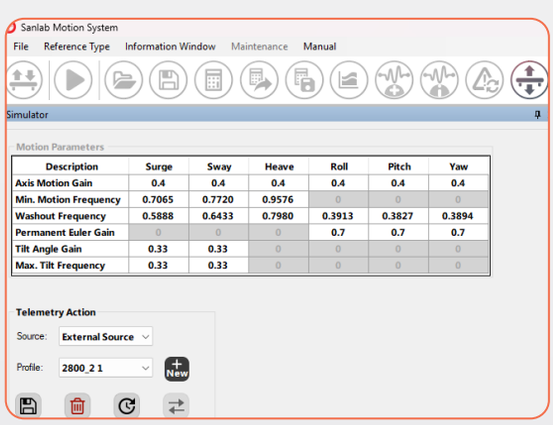
HARDWARE COMPONENTS

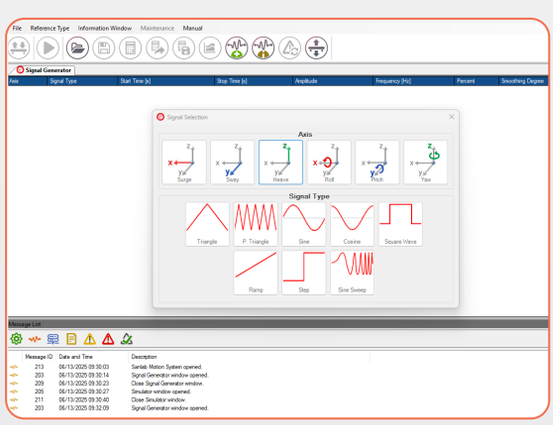
- Hardware real-time control
- UDP based PC communication
- Passive and active limitations

SIMPLE, SAFE AND ERGONOMIC SOFTWARE

- User friendly interface control (GUI)
- Telemetry data signal simulation

USER FRIENDLY GUI





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