SANLAB
"Your Motion Partner"

Stabilizer150

FACTS

- *2 degrees of freedom*
- *10 Hz Frequency in both axes*
- *0.05° accuracy*
- *150 kg payload*
- *300 mm actuator stroke*
- *IP Class 66: Water, dust and salt resistant*

APPLICATIONS

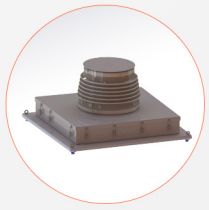
- IMU integrated stabilization
- Roll and pitch motion realization
- Prototype tests
- Real-time data logging
- Component validation
- Vibration isolation

COMPATIBLE WITH

- Electro-optic systems
- Remote control weapon systems
- Radar systems
- Drones

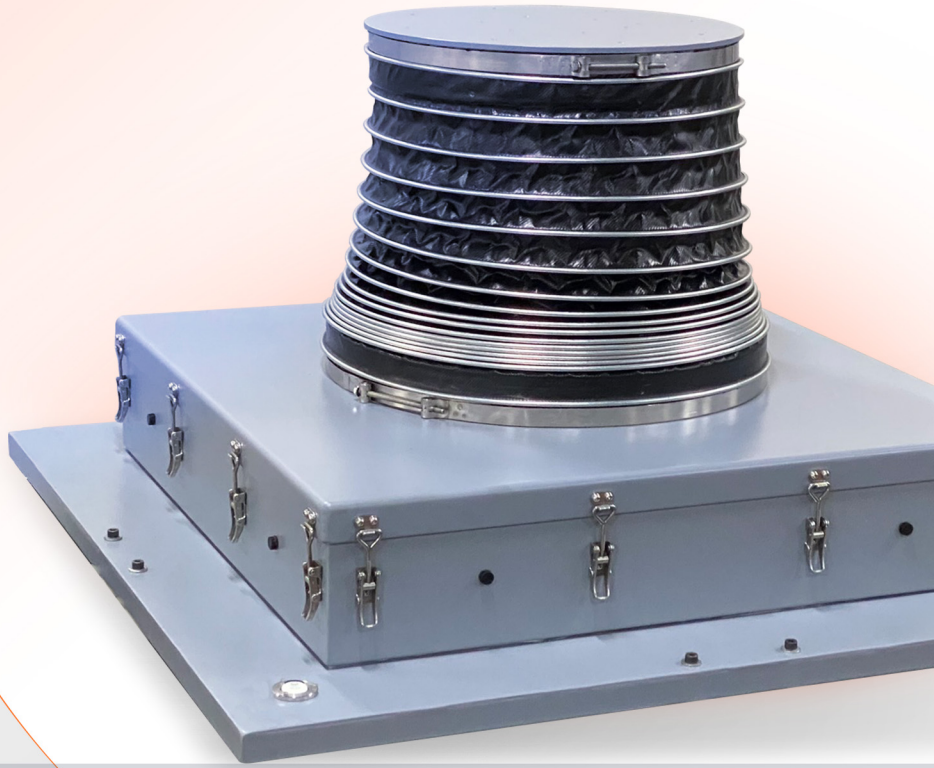
DIMENSIONS

L1.2 X W1 X H0.8 m



PRODUCT LINE

STABILIZER150
STABILIZER300



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TECHNICAL SPECIFICATIONS

Performance Specifications

Gross Moving Load up to	**150** kg
Actuator Stroke	**300** mm
Center of Gravity Above Top Platform	**0.5** m (Max)
Mass	**220** kg
Footprint	**1.2** x **1** x **0.8** m

	Excursion	Velocity	Acceleration
Roll	± **30**^{0}	± **50**^{0}/s	± **280**^{0}/s^2
Pitch	± **30**^{0}	± **30**^{0}/s	± **280**^{0}/s^2

Moment of Inertia About	
Surge	**90** kg.m^2
Sway	**90** kg.m^2
Heave	**90** kg.m^2

Operation Temperature **-10 ⋯ +50**

Storage Temperature **-20 ⋯ +60**

Power Supply **400**VAC ±**10**%, **3**ph , **50**/**60**Hz

HARDWARE COMPONENTS

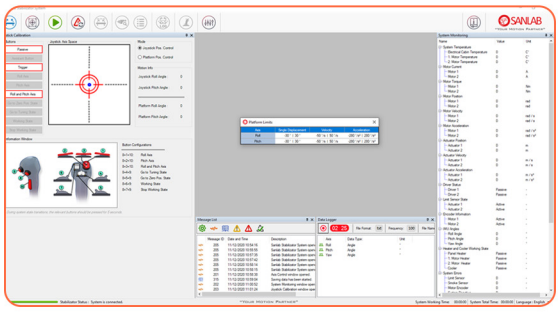
- User friendly interface control (GUI)
- Hardware real-time control
- UDP based PC communication
- Joystick control in all axis
- Passive and active limitations

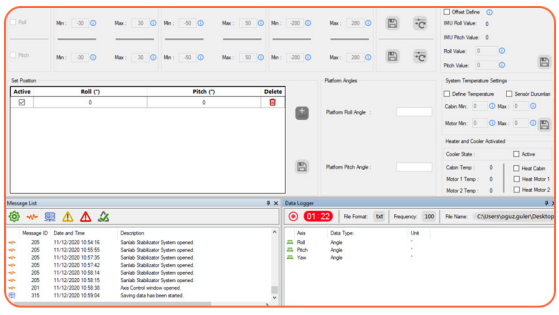
- Joystick Control

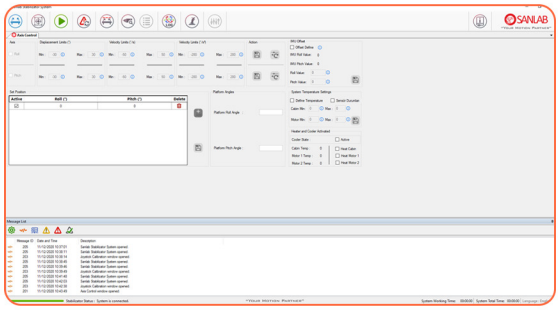
SOFTWARE CAPABILITY

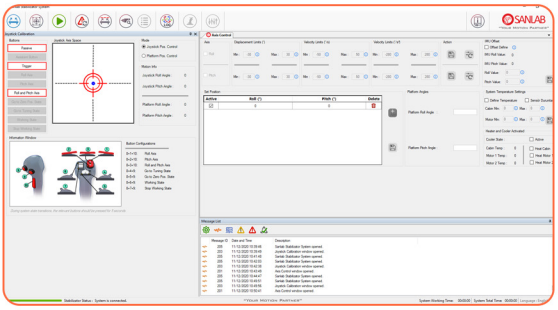
- Stabilization control algorithm
- Disturbance rejection motion control
- IMU signal recording
- Real-time monitoring of system variables

USER FRIENDLY GUI









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