CME
RELIABILITY TESTING SOLUTIONS

Technical Specifications

KRD61 Series

6-DOF Simulation Table

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KRD61 series 6-DOF simulation table is a closed-loop servo simulation platform consisting of six servo actuators and six sets of dedicated hinges connected at the top and bottom platforms respectively. By virtue of the telescopic movement of the six actuators, the upper platform moves in six degrees of freedom (X, Y, Z, α, β, γ), so various space motion attitudes can be simulated.

It is widely applied as testing or training simulators in the field of aircraft, vessel, helicopters taking off and landing, automotive, train, earthquake, motion movies, entertainment equipment and other fields. It can even be used for docking of space spacecraft and for refueling of aerial tankers. In the processing industry, it can be made into six-axis linkage machine tools, smart robots, etc.

- It can realize posture simulation, sine wave simulation, single-DOF motion, and multiple-DOF composite motion.
- It can realize road spectrum filtering, road spectrum, wave spectrum, and flight spectrum replication.
- Provide third-party communication interface through TCP / IP protocol.
- Provide internal and external data output control interfaces.

Technical Specifications

Model / Parameters	KRD 61-100	KRD 61-300	KRD 61-500	KRD 61-1000	KRD 61-2000	KRD 61-5000	KRD 61-10T
Max. Load (kg)	100	300	500	1000	2000	5000	10000
Height of Specimen COG (mm)	500-1000(customized by product)						
Table Dimension (mm)	customized by testing conditions						
Pitch	±10° /±20° /±30° /±45° /±60° (customized)						
Roll	±10° /±20° /±30° /±45° /±60° (customized)						
Pitching Displacement (mm)	±50 / ±80 / ±100 / ±200 / ±300 / ±400 / ±500						
Rolling Displacement (mm)	±50 / ±80 / ±100 / ±200 / ±300 / ±400 / ±500						
Heaving (mm)	±50 / ±80 / ±100 / ±200 / ±300 / ±400 / ±500						
Power Supply	AC380V±10%,50Hz						
Working Environments	Temperature Range: 0-40° C, Humidity 80% (no condense)						
Standards	AC156 ISO 12405 ISO 13849-1 ISO 13090-1 ISO 2631-1						

Note: The parameters in the table are for reference only, and the parameters agreed upon by the supplier and the buyer shall prevail.