

Technical Specifications

KRD60 Series 3-DOF

Simulation Table



KRD60 Series 3 DOF simulation table simulates various mechanical, electrical, and electronic products installed on ships, seaplanes, and other equipment to perform sway and tilt tests to determine the ability and structural integrity of the product to withstand severe sway and tilt requirements. The tilt test is mainly applicable to large-angle tilt caused by ship damage, manipulation, imbalance in loading and unloading, and wind. The sway test is mainly applicable to long-term swaying of the ship due to external forces such as wind and waves, which must be maintained normally or products that work reliably, and products that have a significant impact on their performance in a rocking environment.

- Based on the stable Windows OS and support automatic remote-control interface, the operator can accurately complete the tilting and swing test by entering simple values.
- The operation interface is mainly based on the real-time display of data curve, it also can display the test parameters, system status, and test progress.
- It can realize the functions of sine signal, self-closed loop adjustment, various function control and alarm prompt.
- The functions of roll, pitch, head-roll and tilt tests can be performed on the same platform.

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| Model Parameters | KRD 60- 100 | KRD 60- 300 | KRD 60- 500 | KRD 60- 1000 | KRD 60- 1500 | KRD 60- 2000 | KRD 60- 3000 | KRD 60- 5000 | KRD 60- 8000 | KRD 60- 10T |
|---|-----------------------------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|
| Max. Load (kg) | 100 | 300 | 500 | 1000 | 1500 | 2000 | 3000 | 5000 | 8000 | 10000 |
| Height of Specimen COG (mm) | 500 ~ 1000(customized by product) | | | | | | | | | |
| Yawing Angular Displacement | ±10° | | | | | | | | | |
| Rolling Angular Displacement | ±45° | | | | | | | | | |
| Pitching Angular Displacement | ±30° | | | | | | | | | |
| Rolling Tilting Angular Displacement | ±45° | | | | | | | | | |
| Pitching Tilting Angular Displacement | ±30° | | | | | | | | | |
| Table size (mm) | 800×800 | 1000×1000 | 1350×1000 | 1500×1200 | 1600×1400 | 1800×1600 | 2000×1800 | 2500×2200 | 3000×2500 | |
| | | | | | 0 | 0 | | 0 | 0 | 0 |

| | | | | | | | | | | |
|------------------------------------|--|-----------------|------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|
| Power Supply and Consumption Power | AC380V 20kVA | AC380V 22kVA | | AC380V 37kVA | AC380V 45kVA | AC380V 55kVA | AC380V 70kVA | AC380V 90kVA | AC380V 110kVA | AC380V 150kVA |
| Weight (kg) | 1500 | 1800 | 2000 | 3000 | 3500 | 4000 | 5000 | 6000 | 8000 | 10000 |
| Working Environment | Temperature Range: 0 ~ 40°C, Humidity ≤80% (no condense) | | | | | | | | | |
| Standards | IEC60068 - 2 | | | | | | | | | |