CME
RELIABILITY TESTING SOLUTIONS

Technical Specifications

KRD30 Series

Constant Acceleration Tester (Box Type)



CME Technology Co., Ltd.

KRD30 series centrifugal constant acceleration test machine is used to evaluate when components, equipment and other electrical and electronic products are subjected to constant acceleration environment (except gravity), whether the structure adaptability and performance are good, and obtain the units' electrical parameters.

- **Advanced control system**: Full-automatic computer remote real-time control interface. The operator only needs to input simple values to start the equipment and complete the acceleration test accurately.
- **User-friendly display interface**: the control interface can display the test curve, tolerance and test time in real time.
- **Powerful multi-acceleration continuous test system**: It can realize multi-level acceleration continuous test according to the different requirements of the test sample.
- **Reliable protection measures**: open circuit, over-limit and over-speed protection can be realized.
- **Multiple control methods**: In the case of automatic control failure or no need of automatic control, the device can still use manual control to complete the test.
- **Convenient and quick result output system:** After the test, the test report is automatically generated and printed out.

Technical Specifications

Model / Parameters	KRD30—3	KRD30—5	KRD30—10	KRD30—20	KRD30—2M	KRD30—3M	KRD30—4M	KRD30—8M
Max. Load (kg) ×Position	3×6	5×4	10×2	20×2	0.05×N	0.04×N	0.03×N	0.02×N
Acceleration (g)	1～500		1～100		200～20k	200～30k	200～40k	200～80k
Max. Height for Specimen (mm)	200		300		/			
Installation Radius (mm)	200		500		130			
Test Direction	±X, ±Y ±Z							
Launch/Stop Time (Min)	≤3							≤5
Continues Worktime (Min)	60				5			
Acceleration Accuracy (%)	≤3							
Overall Dimension (mm)	1100×1100×1200		1850×1520×1060		1000×1000×1100			
Slip Ring	Optional according to user requirements				/			
Weight (kg)	725		1660		870			
Power Supply	3-phase AC380V±10% 50Hz							

Control Mode	Fully closed-loop digital network (remote) automatic control + manual control
Installation Condition	Foundation-free, the cement floor shall be leveled and the working distance of 800~1000mm shall be reserved around the equipment
Working Environment	Temperature range 0～40℃, Humidity≤80% (non-condensing)
Standards	MIL-STD-810F IEC68-2-7 MIL-STD-202 MIL-STD-750 MIL-STD-883

Note:

1. The parameters in the table are for reference only, and the parameters agreed upon by the supplier and the buyer shall prevail.
2. In addition to providing electrical signals, the collector ring can also optionally add transmission functions such as oil, gas, special signals, Ethernet, and RF signals.