CME
RELIABILITY TESTING SOLUTIONS

Technical Specifications

KRD32 Non-standard

Constant Acceleration Tester



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KRD32 series non-standard constant acceleration testing machine is test equipment for military products to simulate dynamic centrifugal motion, dual-environmental force motion and central high-speed rotating motion, so as to assess the anti-load performance of electronic components, small components and other electrical and electronic products and detect the anti-load performance specifications. It is mainly used for routine dynamic structural integrity and adaptability tests of components, small parts and small complete machine on aircraft.

- The acceleration rising rate is large.
- Computer centralized control and measurement.
- Fully digital network closed-loop remote control, high control accuracy
- Complete safety protection functions

Technical Specifications

Model / Parameters	KRD32－1	KRD32－2	KRD32－3	KRD32－4	KRD32－5
	Dual-environment constant acceleration tester	High-speed spin tester	Centrifugal dynamic overload tester	Spin shock compound tester	Centrifugal vibration compound tester
Max. Load (kg)	5	5	50	3	1000
Max Acceleration (g)	150	/	20	Shock 10000g--1ms	50g
Loading Rate (g/s)	Customized	/	10	/	Standard Electro-Dynamic Shakers specifications
Installation Radius (mm)	Customized	/	1500	/	Customized
Max. Rotating Speed (R/Min)	0-3000	0-100000	/	0-10000	/
Collector Ring	Optional according to user requirements				
Control Method	Fully closed-loop digital network (remote) automatic control + manual control				
Power Supply	3-phase AC 380V±10％ 50Hz				
Working Environment	Temperature range 0～40℃, Humidity≤80% (non-condensing)				
Installation Condition	Foundation-free, working distance of 800~1000mm shall be reserved around the equipment		According to the foundation drawings provided by the manufacturer		
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.