

Technical Specifications

KRD31 Series

Constant Acceleration Tester (Arm Type)



KRD31 series centrifugal constant acceleration tester is used to test articles under extreme acceleration conditions based on standard like MIL-STD-810F, MIL-STD-202 and IEC68-2-7.

It is most suitable for testing electronic components or devices. Under high g effect on microcircuits, to check adaptability and reliability of wiring and the internal structures. It may expose mechanical and structural defects that are not found with vibration and shock tests.

Technical Specifications

Model Parameters	KRD 31-30	KRD 31-50	KRD 31-100	KRD 31-100A	KRD 31-200	KRD 31-500	KRD 31-1000	KRD 31-1500
Max. Load (kg)	30	50	100		200	500	1000	1500
Installation Platform Size (mm)	500×500	600×600	700×700		800×800	1000×1000	1200×1200	1500×1500
Acceleration (g)	3~100						3~50	
Acceleration Accuracy (%)	≤±3							
Specimen Installed Radius (mm)	1000	1200	1650	2150	2600	3000	5400	6250
Max Turning Diameter (mm)	2500	3000	4000	5000	6000	7000	12000	14000
Launch/Stop Time (Min)	≤3				≤5		≤8	≤10
Continues Working Time(min)	60						30	
Inner Diameter of Foundation (mm)	Φ3000	Φ3500	Φ4500	Φ5500	Φ7000	Φ8500	Φ14000	Φ16000
Collector Ring	Optional according to user requirements							
Weight (kg)	2500	4000	5000	5500	7000	8000	10000	12000
Power Supply	AC 380V±10% 30KVA	AC 380V±10% 45KVA	AC 380V±10% 60KVA	AC380V±10% 75KVA	AC380V±10% 110KVA	AC380V±10% 150KVA	AC380V±10% 500KVA	AC380V±10% 800KVA
Control Mode	Fully closed-loop digital network (remote) automatic control + manual control							
Remarks	Collector ring and control accuracy can be configured in accordance with relevant standards or user							

	requirements.
Working Environment	Temperature range 0~40°C, humidity ≤80% (no condense)
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.