

KRD31 CONSTANT ACCELERATION TESTER (ARM TYPE)

KRD31 series constant acceleration tester are 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

Parameters \ Model	KRD31-30	KRD31-50	KRD31-100	KRD31-100A	KRD31-200	KRD31-500	KRD31-1000	KRD31-1500
Max. Load (kg)	30	50	100		200	500	1000	1500
Acceleration (g)	3 ~ 100						3 ~ 50	
Acceleration Accuracy (%)	≤±3							
Installation Platform Size (mm)	500×500	600×600	700×700		800×800	1000×1000	1200×1200	1500×1500
Specimen Installed Radius(mm)	1000	1200	1650	2150	2600	3000	5400	6250
Launch/Stop Time (min)	≤3				≤5		≤8	≤10
Max. Turning Diameter (mm)	2500	3000	4000	5000	6000	7000	12000	14000
Collector Ring	Optional according to user requirements							
Continues Working Time(min)	60						30	
Inner Diameter of Foundation (mm)	Φ3000	Φ3500	Φ4500	Φ5500	Φ7000	Φ8500	Φ14000	Φ16000
Control Mode	Fully closed-loop digital network (remote) automatic control + manual control							
Weight (kg)	2500	4000	5000	5500	7000	8000	10000	12000
Working Environment	Temperature range 0 ~ 40°C, humidity ≤80% (no condense)							
Power	AC 380V±10% 30KVA	AC 380V±10% 45KVA	AC 380V±10% 60KVA	AC 380V±10% 75KVA	AC 380V±10% 110KVA	AC 380V±10% 150KVA	AC 380V±10% 500KVA	AC 380V±10% 800KVA
Installation Condition	According to the foundation drawings provided by the manufacturer							
Standards	MIL-STD-810F IEC68-2-7							

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.