CME
RELIABILITY TESTING SOLUTIONS

Technical Specifications

KRD14 Series Pneumatic Vertical Shock Response Spectrum Test System



CME Technology Co., Ltd.

KRD14 series shock response spectrum tester is used to measure and determine the shock resistance of electrical and electronic products or packaging, and to evaluate the reliability and structural integrity of the test product in a shock environment. The shock response spectrum is the total result of a series of single-degree-of-freedom linear systems with different natural frequencies subjected to the same shock excitation response. When a product is subjected to an impact, the maximum value of its impact response means that the product has a maximum stress. Therefore, the shock response spectrum tester can better simulate the shock wave and shock energy suffered in the real environment.

- 1200mm table size withstands 1000kg load.
- Windows-based stable control system, full-automatic remote-control interface.
- The control & measurement system has built-in SRS specifications and tolerances, which is convenient for users to adjust and apply. It automatically completes the test and generates reports.
- Adjust the driving shock energy by adjusting the air pressure, which is convenient to operate and high in efficiency.
- The equipment takes up a small area and is easy to install.

Technical Specifications

Model / Parameters	KRD14—20	KRD14—50	KRD14—100	KRD14—200	KRD14—500	KRD14—1000
Load (kg)	20	50	100	200	500	1000
Table Size (mm)	300×300	500×500	600×600	800×800	1000×1000	1200×1200
Response Frequency Range (Hz)	10～10,000					
Max. Response Acceleration (g)	50,000	30,000	25,000	15,000	10,000	5,000
Gradient of Rising Stage (dB/Oct)	6～9					
Tolerance Range (dB)	±6～9					
Overall Dimension (mm)	1300×850×1500	1530×920×1650	1200×1200×1650	1750×1100×1700	1900×1300×1800	2200×1500×2000
Power	1-phase AC100V-240V, 50Hz/60Hz					
Weight (kg)	2000	4505	3800	4800	4500	5000

Working Environment	Temperature range 0~40℃, Humidity ≤ 80% (non-condensing)
Air Source	≤1MPa
Installation Condition	Foundation-free, the cement floor shall be leveled and the working distance of 800~1000mm shall be reserved around the equipment
Standard	MIL-STD-810

Note: The parameters in the table are for reference only, and the parameters agreed upon by the supplier and the buyer shall prevail.