

# KRD14 PNEUMATIC VERTICAL SHOCK RESPONSE SPECTRUM TEST SYSTEM

KRD14 series pneumatic 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 withstand 1000kg load.
- ▶ Windows-based stable control system, full-automatic remote-control interface.
- ▶ The equipment takes up a small area and is easy to install.

- ▶ 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.

## TECHNICAL SPECIFICATIONS

Parameters	Model	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)		100,000	60,000	50,000	30,000	20,000	10,000
Gradient of Rising Stage (dB/Otc)		6~9					
Tolerance Range (dB)		±6~9					
Overall Dimension (mm)		1300×850×1500	1400×1000×1500	1500×1100×1600	1700×1200×1700	1900×1300×1800	2200×1500×2000
Working Environment		Temperature range 0 ~ 40°C; Humidity ≤ 80% , non-condense					
Power		AC220V± 10% 50Hz					
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					
Weight (kg)		2000	2500	3000	3500	4000	5000
Standards		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.