

24. Settling Dust Chambers



Other Climate & Environmental Test Chambers

Application:

Application: Settling Dust Chamber is suitable for testing the sealing performance of the shell of the product. It is mainly used for the test of the two grades of IP5X and IP6X specified in the protection standard of the shell. It is mainly to simulate sandstorm weather caused damage to lockset, auto parts (such as car lamp, instrument, electrical dust cover, steering system door lock, etc.), seals, electrical instruments and other products. The dust test chamber can effectively help users to evaluate the sand and dust resistance of the sample, and the ability to resist the impact of dust that may block the opening, infiltration cracks, gaps, bearings and joints, and it is not affected by the wear or blockage of large sand particles with sharp edges reduce the performance, efficiency, reliability and maintainability.

Specifications

Model	MSDT-512	MSDT-800	MSDT-1000	MSDT-1500
Dimension(cm)	800*800H*800	800*1000H*100	1000*1000H*1000	1000*1500H*1000
Inside Chamber Temperature	RT + 10 °C -80 °C adjustable			
Temperature uniformity	≤±3 °C			
Inside Chamber Humidity	≤30%R.H			
Test Components	Content of 97-99% of silica (angular silica powder)			
Settling/Dust size	75% is 45um, 15% is 75um, 8% is 106um and 2% is 150um			
Spray method	10.6±7g/m3			
Settling/Dust Concentration	8.9m/s±1.2m/s			
Air velocity	Timing automatic control. Time control accuracy of 1min			
Time controll	Stainless steel with internal steel pipe connection			