

Sand and Dust Resistance Test Chamber

KASONTTEST®



Description:

Lab Simulation Environment Sand and Dust Resistance Test Chamber is designed according to GB4706, GB2423, GB7000.1, IEC60529,ect standards and meet the IPX5 and IPX6 dust test requirements.

Lab Simulation Environment Sand and Dust Resistance Test Chamber is mainly used for testing control cabinet, household appliances, low voltage electric appliance, automobile, lamps and lanterns, motorcycle parts,ect outer shells. Test chamber pressure can be constant and changed, suitable for indoor low concentration dust pollution test, assessment sample in this environment of sealing and corrosion degree.

Structure:

1. Lab Simulation Environment Sand and Dust Resistance Test Chamber Inner material: Stainless steel (SUS #304)
2. Lab Simulation Environment Sand and Dust Resistance Test Chamber Outer material: Powder painting steel plate

3. Dust Test Chamber Use imported touch screen programmable controller, can control dust blowing motor, dust vibration and test time.
4. With sealing good chamber door, has lock device and glass observation window. There is lamp and dust brush to ensure easy observation of inner chamber.
5. With strong dust blowing device and vibrator to ensure informity of each blowing.
6. Circulating air supplying device: Frequency converter and high pressure motor to ensure the air volume more precision.
7. Large diameter strong stainless steel air hose, covered with heating device, can heat and dry the test chamber dust.
8. Anti-explosion handle, easy operation, sturdy and durable.
9. Imported high-precision electronic temperature humidity sensor and air speed sensor.
10. Test sample differential pressure test device, can set pumping rate freely according to sample inquiry.
11. There is a $\varnothing 50\text{mm}$ test hole on the left chamber and equipped with port lid and silica gel chock plug. Through this hole can connect to outer test device.
12. There are casters with brake equipments and fixing foot pad to make the machine easy operation and level adjustment.
13. With voltage current indicator, equipped with corresponding sample DC12V power, DC24V / 20 a, interval, continuous power supply adjustable. Dust concentration wind speed regulating function. May control test total time, blow the dust of time interval and blowing dust cycle and sample with the power source of the intermittent time.
14. Vacuum system: Equipped with pressure meter, air filtration, dust dehumidification system, regulating triple pieces, connecting pipe (Vacuum pump should be prepare by customer).

Main technical specifications

Test chamber dimension	800*800*800mm
Outer dimension	1130*1250*1650mm
Metal screen wire diameter	50um
Screen line space	75um
Environment temperature and humidity	15~45°C, 45~75%RH
Dust(talcum powder) concentration	2~4kg/m ³
Test time	Dust test time set freely, 0~999.9hr
Test dust	Dry talcum powder or portland cement
Test standards	GB4706,GB2423,GB7000.1,IEC60529
Power	3 ψ 4W+G 380VAC 50HZ

FOCUS IN MATERIAL TEST

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