

Dust Test Chamber

Model: IN-IP56X-125L

Application:

Dustproof test chamber is to test the physical and other related properties of products such as electronic & electrical products, lamps, electrical cabinets, electrical components, automobiles, motorcycles and their parts & components under the climate conditions of simulated dust. After testing, verification is conducted to determine whether the performance of the product meets the requirements, so as to facilitate product design, improvement, verification and ex-factory inspection.

Standard:

This dust test machine is comply with the requirements of IEC60529:1989 A1: 1999 A2: 2013 Degrees of Protection Provided by Enclosures (IP Code), Clauses 13.4 & 13.5 and Fig. 3 of GB4208-2008 Enclosure Protection Class (IP Code), and Clauses 9.2.1 & 9.2.2 and Fig. 6 of GB7000.1 Luminaires Part I: General Requirements and Tests.

Features:

1. This dust tester is suitable for IP5X and IP6X dust-proof rating test for products.
2. The outer enclosure is made of domestic high-quality steel plate, and the surface is sprayed with baking paint, beautiful and durable.
3. Inner chamber and sample holder are made of stainless-steel plate to ensure long-term use without rust.
4. There is a transparent observation window (toughened glass material) on the door and an LED lamp installed in the chamber to facilitate the observation of internal testing.
5. The bottom of dust-proof tester is has dust-replaceable device, which can replace used dust easily.
6. The working time is adjustable, and manual and auto mode operation can be alternated automatically.
7. There is a suction pipe in the chamber, which can evacuate the sample (sample is required to reserve suction hole).
8. IP5X IP6X dust test chamber control system: can display year, month, day, time and working time, etc.; can control the dust blower, dust vibration and total test time separately; the controller has a variety of setting control functions as described below;
 - Dust blowing time (stop and blow): arbitrary time set for continuous and periodic dust blowing;
 - Vibration time: time of vibration and of stopping vibration are automatically alternated;
 - Preset test time: the maximum test time is 99 hours 59 minutes;
 - Power on: off - on - off.
9. Heating system: the circulating air duct is equipped with a heater to heat dust so as to avoid dust condensation. Cladding type mica plate heating ring of the duct guarantees safe and stable heating; cladding type mica plate heating ring.
10. Vacuum system: equipped with vacuum pump, negative pressure meter, air filter, air flow meter, pressure-regulating triplet, connecting pipe.
11. Dust-proof test machine is more practical and easier to control on the basis of stable performance in all aspects on the premise of meeting national standards.
12. Dust test equipment is easy to install, easy to operate, and basically does not require daily maintenance.

Technical parameter:

Model	IN-IP56X-125L
Inner size	L500*D500*H500mm
Outer size	About L950 * D720 * H1500mm
Temperature range	RT+10℃~70℃ (can be discussed)
Relative humidity	<30% (display or not is option)
Standard wire diameter of metal mesh	50um
Standard spacing between wires	75um
Talcum powder dosage	2~4kg/m3
Velocity of powder outlet	6m/s
Dust used for test	Dry talcum powder
Dust fall method	Free dust fall
Total test time	0-999H (adjustable)
Vibration time	0-999H (adjustable)
Timing precision	±1 second
Vacuum degree	0-10Kpa (adjustable)
Evacuation rate	0-2,400L/H (adjustable)
Sample supply	Test sample power supply
Test sample power supply	AC120V±10%, single phase, 60Hz
Equipment power supply	1.0KW
Safety protection function	Leakage protection, short circuit protection

Appearance:

