

500L Convenient Dust Test Equipment , IP5X IP6X Sand Dust Test Chamber

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong , China
- Brand Name: YueXin
- Certification: IEC60529:2013 , DIN EN 60529-1:2014-09 (VDE 0470-1)
- Model Number: YX-IP56X-500L
- Minimum Order Quantity: 1 pcs
- Price: usd+20000-50000+pcs
- Packaging Details: wooden box package
- Delivery Time: 30-45 days
- Payment Terms: T/T
- Supply Ability: 100+pcs+30



Product Specification

- Test Function: IP5X IP6X IP5KX IP6KX
- Test Medium: Talcum
- Sample Rack Load Bearing: 50KG/
- Number Of Dust Outlet: 2
- Material Of Window: Tempered Glass
- Outer Material: Steel Plate
- Experimental Scenarios: Dust Environment
- Goods Name: Sand Dust Test Equipment , Dustproof Environmental Chamber
- Highlight: Convenient Dust Test Equipment, IP5X Sand Dust Test Chamber, IP6X Sand Dust Test Chamber



More Images



Product Description

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Vacuum system:

The user needs to connect the sample to a special pumping pipe, and the gas inside the sample is pumped out by a vacuum pump, and the pumping speed can be adjusted by an air flow meter.

► Need to reserve the air hole position for the sample.

Product structure:

The dust-proof device boasts a singular access door accompanied by a streamlined interior, availably barricading exterior dust and safeguarding equipment from impurities, ideal for confined testing spaces.

The talcum powder is blown to the top of the pipeline by the circulation pump and is sprayed out from the dust outlet above the inner box, and moves in disorder after falling freely.

There is a special outlet at the bottom of the funnel, user can quickly collect dust through there⁵.

A vibrator is mounted on the outside of the funnel, which can work intermittently to keep the dust from sticking to the inner wall as much as possible.

The pumping pressure is displayed by the pressure sensor(Unit:kPa), and can be adjusted by the pressure regulating valve;

The pumping speed can be displayed by the flow sensor(Unit:slpm), and the total pumping volume and current pumping speed can be displayed.

The door is transparent and equipped with a window wiper to allow perfect observation of the test space.

The sample power socket (220V, 10A) is mounted under the side of the chassis, which is convenient for the user to do the live test of the sample⁶.

Controller: 7-inch touch screen + PLC, using Yuexin self-developed software, which can be switched to multiple languages⁷.

Casters are mounted to the bottom, and can be adjusted to fix the chassis according to the flatness of the ground.

Technical data for IP5X IP6X:

| Item | Parameter |
|--|---------------------------------------|
| Test space volume | 500 L |
| Number of dust outlet | 2 |
| Diameter of the dust outlet | 50 mm |
| Talc Specifications | 15 μm |
| Talc dosage | 2 4 kg/m ³ |
| Outer diameter of exhaust pipe | 8mm |
| Pumping speed | Digital display,Unable to adjust |
| Maximum depression | 2kPa(20mbar) |
| Cycle test times | 0-999 times |
| Test time | 0-999 H |
| Vibration time | 0-999 S |
| Sound pressure level during operation ⁸ | ≤70 dB (measured at 1m in free field) |
| Power supply | 380 V/50 HZ |
| Sample power ⁹ | 220 V/10 A |
| Power | 3.5 kw |

Usage:

Primarily serving to mimic severe conditions, dust-tight chambers facilitate the evaluation of products' or equipment's sealing capabilities and durability. They find application across sectors like electronics, automotive, and aviation, aiding in assessing electronic gadgets' dust tolerance, automotive parts' resilience in dusty terrains, among others, thereby guaranteeing product stability and safety amidst intricate environments.

Cautions:

1 The pictures in this document are for customer reference only, and there may be color differences between the actual model and the pictures.

2 This document only lists some test standards, which does not mean that other test requirements and standards cannot be conducted. Welcome to communicate and discuss with us.

3 One test only at a time. The next project can be only carried out after the current test is completed. In addition, we can provide multi-functional customized test solutions according to user requirements.

4 A single device is equipped with an exhaust pipe, and only one sample is vacuumed at a time.

5 Please prepare a powder collection box (6-10L) in advance, remove the sealing plate at the bottom of the back, and then collect it.

6 Please inform in advance if the voltage(220V) does not match the actual needs so that we can provide customized solutions for you.

7 At present, only Chinese and English interfaces are supported; if other languages are introduced, the software can be updated remotely.

8 The data is collected in the manufacturer's factory test. It may be different in different environments.

9 If the sample is not suitable for sample testing, a connection hole can be customized on the left side of the inner box, and the user can use an external power supply by himself.

10 The photos may not match the actual ones, and are for user reference only.

The detail photos of product:



relay

dust changer

solid state

Tags: Dustproof Climatic Chamber , Dustproof Environmental Chamber , IP5X IP6X Dust Testing Machine



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